

## Overview

Palladium LLC, is a registered investment adviser and was founded in October 2011.

As of December 2020, \$805 Million Assets Under Management.

Independent, employee-owned firm.

Palladium is an investment manager with a focus on transparency and risk management.

### Equity Market Capitalization for Palladium Balanced Endowment

| Category  | Weight |
|-----------|--------|
| Large Cap | 52.89% |
| Mid Cap   | 37.17% |
| Small Cap | 9.95%  |

### Stock Sectors for Palladium Balanced Endowment

| Category               | Weight |
|------------------------|--------|
| Basic Materials        | 4.34%  |
| Consumer Cyclical      | 16.41% |
| Financial Services     | 11.23% |
| Real Estate            | 4.31%  |
| Consumer Defensive     | 5.33%  |
| Healthcare             | 13.28% |
| Utilities              | 2.58%  |
| Communication Services | 10.57% |
| Energy                 | 2.31%  |
| Industrials            | 11.12% |
| Technology             | 18.52% |

### Fixed Income Credit Quality for Palladium Balanced Endowment

| Category             | Weight |
|----------------------|--------|
| AAA                  | 30.04% |
| AA                   | 3.99%  |
| A                    | 10.89% |
| BBB                  | 6.65%  |
| Non-Investment Grade | 44.70% |
| Not Rated            | 3.74%  |

### Fixed Income Maturity for Palladium Balanced Endowment

| Category      | Weight |
|---------------|--------|
| Under 1 Year  | 0.32%  |
| 1 - 3 Years   | 13.03% |
| 3 - 5 Years   | 15.44% |
| 5 - 7 Years   | 10.94% |
| 7 - 10 Years  | 9.56%  |
| 10 - 15 Years | 10.21% |
| 15 - 20 Years | 9.84%  |
| 20 - 30 Years | 17.49% |
| Over 30 Years | 13.16% |

## Key Attributes

Multi-Asset Class

Liquidity & Transparency

Globally Diversified

Low Expenses & Fees

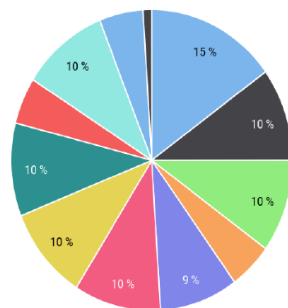
## Strategy Description

- The Balanced Endowment Model Strategy seeks to grow invested capital over the long term with a moderate level of volatility.
- This strategy is typically appropriate for an investor with an intermediate to long-term investment horizon and a moderate tolerance for risk seeking long-term growth of capital.

## Asset Allocation

### Palladium Balanced Endowment

| Ticker    | Name                                    | Allocation |
|-----------|-----------------------------------------|------------|
| EUSA      | iShares MSCI USA Equal Weighted ETF     | 15.00%     |
| ANGL      | VanEck Vectors Fallen Angel HYld Bd ETF | 10.00%     |
| VABS      | Virtus Newfleet ABS/MBS ETF             | 10.00%     |
| IUSB      | iShares Core Total USD Bond Market ETF  | 5.00%      |
| IXGRINNET | Risk Managed Gold Index - Net           | 9.00%      |
| JHEQX     | JPMorgan Hedged Equity I                | 10.00%     |
| CASHX     | Cash                                    | 1.00%      |
| ARKK      | ARK Innovation ETF                      | 10.00%     |
| SCZ       | iShares MSCI EAFE Small-Cap ETF         | 10.00%     |
| IBUY      | Amplify Online Retail ETF               | 5.00%      |
| SCHF      | Schwab International Equity ETF         | 10.00%     |
| IEMG      | iShares Core MSCI Emerging Markets ETF  | 5.00%      |



## PCT PORTFOLIO SEGMENTS / CONSTITUENTS

**35.0%** **Equity: Low-Cost, Systematic**  
 Systematic U.S. Equity - Equal Wtd  
 Systematic Non-U.S. Equity

**25.0%** **Fixed Income: Seeks to Preserve Capital and Generate Income**  
 U.S. Total Bond Market  
 Fallen Angel Bonds  
 Asset Backed

**20.0%** **Alternative: Anticipated Risk Mitigation with Alpha Opportunities**  
 Risk Managed Gold  
 Hedged Equity

**20.0%** **Opportunistic: Reflects Ideas Based on 12-24 Month Forecasts**  
 Emerging Market Equity  
 Disruptive Innovation  
 Small Cap International  
 E-Commerce

Source: Morningstar.

\*Holdings are subject to change and may be different than at the time of this report or based on program constraints.

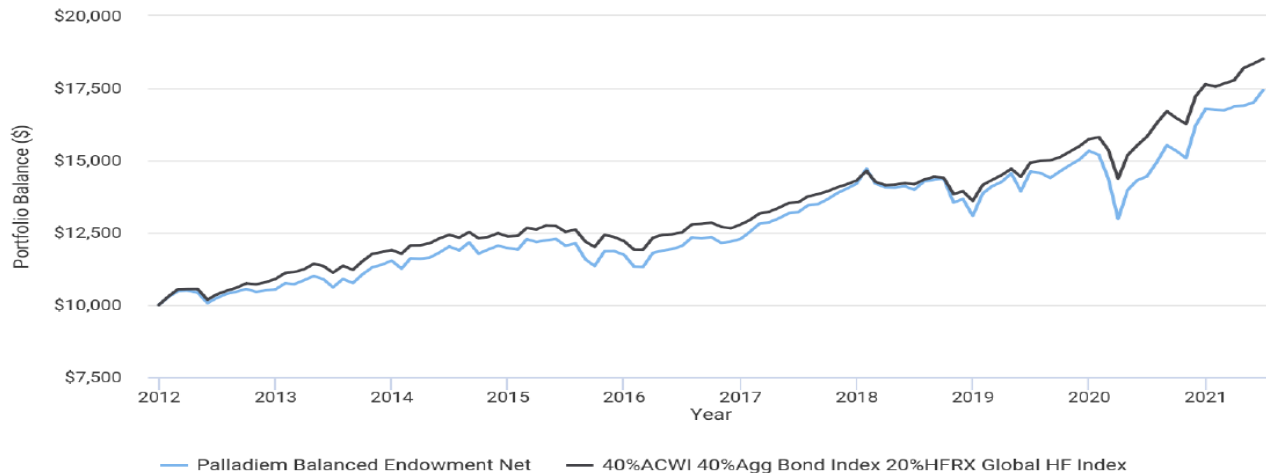
©2021 Palladium LLC. Palladium has sole discretion to change allocations to styles and vehicles at any time. All investments are subject to risk, including the loss of principal. For additional information, please refer to the Disclosures at the end of this report. Palladium LLC is a Registered Investment Adviser. **Approved for End Client Use.**

## Portfolio Characteristics

Holdings Based Style Analysis for Palladium Balanced Endowment

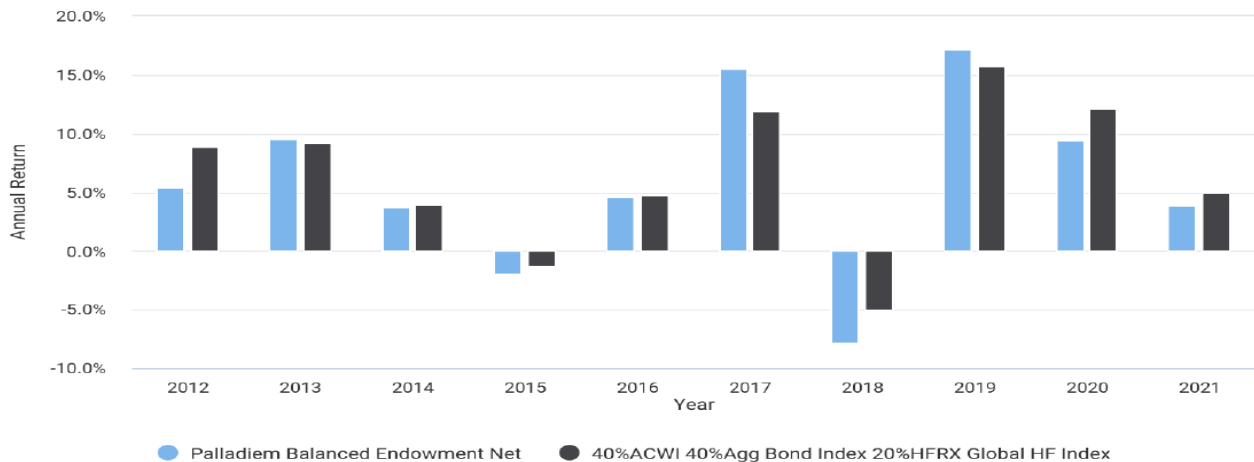
| Ticker    | Name                                     | Category                    | Weight         | Yield        | Fees         | P/E          | Duration    |
|-----------|------------------------------------------|-----------------------------|----------------|--------------|--------------|--------------|-------------|
| EUSA      | iShares MSCI USA Equal Weighted ETF      | Large Blend                 | 15.00%         | 1.11%        | 0.15%        | 23.67        |             |
| ANGL      | VanEck Vectors Fallen Angel HiYld Bd ETF | High Yield Bond             | 10.00%         | 3.09%        | 0.35%        | 59.99        | 6.67        |
| VABS      | Virtus Newfleet ABS/MBS ETF              | Short-Term Bond             | 10.00%         | 0.39%        |              |              | 1.67        |
| IUSB      | iShares Core Total USD Bond Market ETF   | Intermediate Core-Plus Bond | 5.00%          | 1.51%        | 0.06%        |              | 6.37        |
| IXGRINNET | Risk Managed Gold Index - Net            | ALternative Beta            | 9.00%          |              |              |              |             |
| JHEQX     | JPMorgan Hedged Equity I                 | Options Trading             | 10.00%         | 0.93%        | 0.60%        | 25.28        |             |
| CASHX     | Cash                                     | Cash                        | 1.00%          | 0.01%        |              |              | 0.00        |
| ARKK      | ARK Innovation ETF                       | Mid-Cap Growth              | 10.00%         |              | 0.75%        |              |             |
| SCZ       | iShares MSCI EAFE Small-Cap ETF          | Foreign Small/Mid Blend     | 10.00%         | 1.63%        | 0.40%        | 18.82        |             |
| IBUY      | Amplify Online Retail ETF                | Consumer Cyclical           | 5.00%          | 0.48%        | 0.65%        |              |             |
| SCHF      | Schwab International Equity ETF          | Foreign Large Blend         | 10.00%         | 1.95%        | 0.06%        | 19.56        |             |
| IEMG      | iShares Core MSCI Emerging Markets ETF   | Diversified Emerging Mkts   | 5.00%          | 1.78%        | 0.11%        | 16.71        |             |
|           |                                          |                             | <b>100.00%</b> | <b>1.12%</b> | <b>0.35%</b> | <b>27.92</b> | <b>4.43</b> |

## Growth Chart



The chart represents the growth of a hypothetical investment of \$10,000 in the strategy since inception and reflects the reinvestment of dividends and income. The chart does not represent an actual investment and is not intended to imply future results.

## Annual Returns



Source: Portfolio Visualizer (Model Returns)

\* Inception Date (INCEPT): 1/1/2012

Benchmark (Bmark): 40% Bloomberg Barclays Capital US Aggregate Bond Index / 20% HFRX Global Hedge Fund Index / 40% MSCI All Country World Index (ACWI) Net Return. Indices represent asset classes that may be included in the strategy and are presented to provide perspective on the strategy's historical risk, as measured by standard deviation, in relation to these asset classes. AGG represents the Bloomberg Barclays Capital US Aggregate Bond Index; HFRX represents the Hedge Fund Research Institute Global Hedge Fund Index. You cannot invest directly in an index.

### Risk and Return Metrics (Jan 2012 - Jun 2021)

| Metric                       | Palladium Balanced Endowment Net | 40%ACWI 40%Agg Bond Index 20%HFRX Global HF Index |
|------------------------------|----------------------------------|---------------------------------------------------|
| Geometric Mean (monthly)     | 0.49%                            | 0.54%                                             |
| Geometric Mean (annualized)  | 6.03%                            | 6.70%                                             |
| Volatility (monthly)         | 2.46%                            | 1.79%                                             |
| Volatility (annualized)      | 8.51%                            | 6.18%                                             |
| Downside Deviation (monthly) | 1.62%                            | 1.08%                                             |
| Max. Drawdown                | -15.33%                          | -9.03%                                            |
| US Market Correlation        | 0.95                             | 0.93                                              |
| Beta (*)                     | 1.33                             | 1.00                                              |
| Alpha (annualized)           | -2.66%                           | 0.00%                                             |
| R Squared                    | 93.06%                           | 100.00%                                           |

### Palladium Balanced Endowment Net Returns

| Year | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov   | Dec    | Total  |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| 2012 | 2.88%  | 1.84%  | 0.15%  | -0.60% | -3.53% | 1.77%  | 1.40%  | 0.73%  | 0.84%  | -0.90% | 0.46% | 0.32%  | 5.34%  |
| 2013 | 2.04%  | -0.31% | 1.28%  | 1.33%  | -1.01% | -2.56% | 2.71%  | -1.30% | 2.80%  | 2.25%  | 0.78% | 1.24%  | 9.48%  |
| 2014 | -2.39% | 3.15%  | -0.10% | 0.32%  | 1.55%  | 1.72%  | -1.11% | 2.31%  | -3.20% | 1.24%  | 1.06% | -0.64% | 3.77%  |
| 2015 | -0.46% | 3.02%  | -0.79% | 0.47%  | 0.40%  | -1.90% | 0.66%  | -4.51% | -1.98% | 4.46%  | 0.03% | -1.07% | -1.95% |
| 2016 | -3.44% | -0.14% | 4.30%  | 0.65%  | 0.47%  | 0.88%  | 2.43%  | -0.28% | 0.39%  | -1.61% | 0.35% | 0.77%  | 4.67%  |
| 2017 | 2.06%  | 2.17%  | 0.43%  | 1.03%  | 1.36%  | 0.31%  | 1.74%  | 0.32%  | 1.23%  | 1.58%  | 1.12% | 1.24%  | 15.58% |
| 2018 | 3.63%  | -3.50% | -0.92% | -0.06% | 0.32%  | -0.87% | 2.07%  | 0.44%  | 0.30%  | -5.81% | 0.94% | -4.28% | -7.85% |
| 2019 | 5.89%  | 1.74%  | 1.13%  | 2.12%  | -4.28% | 4.88%  | -0.28% | -1.21% | 1.56%  | 1.48%  | 1.23% | 2.07%  | 17.18% |
| 2020 | -0.92% | -5.29% | -9.77% | 7.60%  | 2.51%  | 0.92%  | 3.42%  | 3.88%  | -1.26% | -1.59% | 7.47% | 3.52%  | 9.46%  |
| 2021 | -0.17% | -0.09% | 0.75%  | 0.19%  | 0.63%  | 2.55%  |        |        |        |        |       |        | 3.90%  |

### 40%ACWI 40%Agg Bond Index 20%HFRX Global HF Index Returns

| Year | Jan    | Feb    | Mar    | Apr   | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    | Total  |
|------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2012 | 3.02%  | 2.34%  | 0.07%  | 0.01% | -3.52% | 1.80%  | 1.21%  | 1.00%  | 1.41%  | -0.29% | 0.65%  | 1.03%  | 8.93%  |
| 2013 | 1.95%  | 0.27%  | 0.92%  | 1.67% | -0.67% | -2.06% | 2.17%  | -1.23% | 2.66%  | 2.17%  | 0.54%  | 0.60%  | 9.24%  |
| 2014 | -1.06% | 2.41%  | 0.06%  | 0.57% | 1.40%  | 0.96%  | -0.76% | 1.54%  | -1.72% | 0.41%  | 1.02%  | -0.89% | 3.93%  |
| 2015 | 0.16%  | 2.21%  | -0.38% | 1.06% | -0.10% | -1.63% | 0.62%  | -3.25% | -1.53% | 3.44%  | -0.59% | -1.14% | -1.30% |
| 2016 | -2.41% | -0.03% | 3.47%  | 0.83% | 0.15%  | 0.51%  | 2.27%  | 0.12%  | 0.34%  | -1.10% | -0.47% | 1.10%  | 4.76%  |
| 2017 | 1.27%  | 1.63%  | 0.49%  | 1.02% | 1.24%  | 0.19%  | 1.48%  | 0.57%  | 0.71%  | 0.99%  | 0.75%  | 0.98%  | 11.92% |
| 2018 | 2.29%  | -2.59% | -0.81% | 0.10% | 0.39%  | -0.30% | 1.19%  | 0.66%  | -0.21% | -3.94% | 0.68%  | -2.36% | -4.96% |
| 2019 | 4.01%  | 1.21%  | 1.23%  | 1.49% | -1.85% | 3.39%  | 0.36%  | 0.16%  | 0.69%  | 1.28%  | 1.17%  | 1.66%  | 15.71% |
| 2020 | 0.41%  | -2.74% | -6.47% | 5.57% | 2.28%  | 1.94%  | 2.98%  | 2.49%  | -1.42% | -1.19% | 5.83%  | 2.48%  | 12.10% |
| 2021 | -0.50% | 0.66%  | 0.59%  | 2.39% | 0.84%  | 0.89%  |        |        |        |        |        |        | 4.94%  |

\* Inception Date (INCEPT): 1/1/2012 Source: Portfolio Visualizer

Benchmark (Bmark): 40% Bloomberg Barclays Capital US Aggregate Bond Index / 20% HFRX Global Hedge Fund Index / 40% MSCI All Country World Index (ACWI) Net Return. Indices represent asset classes that may be included in the strategy and are presented to provide perspective on the strategy's historical risk, as measured by standard deviation, in relation to these asset classes. AGG represents the Bloomberg Barclays Capital US Aggregate Bond Index; HFRX represents the Hedge Fund Research Institute Global Hedge Fund Index. You cannot invest directly in an index.

Disclosures: The performance returns shown represent the results of a model portfolio of the investment strategy only and do not represent the results of actual trading of investor assets. The model performance has inherent limitations. Palladium maintains the model and calculates the model performance shown or discussed, but it does not represent actual assets. Thus, the performance shown or discussed does not reflect the impact that material economic and market factors had or might have had on decision making if actual investor money had been managed. While model performance may have performed better than the benchmark for some or all of the periods shown, the performance during any other period may not have, and there is no assurance that model performance will perform better than the benchmark in the future. An investor's actual account is managed by the investor or by an advisor based on the model portfolio, but the actual composition and performance of the account may differ from those of the model portfolio due to differences in the timing and prices of trades, and the identity and weightings of securities holdings. Portfolio performance assumes reinvestment of dividends and capital gains and is net of standard advisory fees payable to Palladium LLC (0.55%) but does not include any other expenses not covered by the advisory fee, which will reduce a client's return. Index returns assume the reinvestment of dividends and capital gains. Past performance is no guarantee of future results.

The statements contained herein are based upon the opinions of Palladium LLC (Palladium) and the data available at the time of publication and are subject to change at any time without notice. This communication does not constitute investment advice and is for informational purposes only, is not intended to meet the objectives or suitability requirements of any specific individual or account, and does not provide a guarantee that the investment objective of any model will be met. An investor should assess his/her own investment needs based on his/her own financial circumstances and investment objectives. Neither the information nor any opinions expressed herein should be construed as a solicitation or a recommendation by Palladium or its affiliates to buy or sell any securities or investments or hire any specific manager. The information contained herein has been obtained from sources that are believed to be reliable.

It is important to remember that there are risks inherent in any investment and that there is no assurance that any investment, asset class, style or index will provide positive performance over time. Diversification and strategic asset allocation do not guarantee a profit or protect against a loss in declining markets. All investments are subject to risk, including the loss of principal. For more information about Palladium, as well as its products, fees and services, please refer to Palladium's Form ADV Part 2, which may be obtained through your financial advisor or by writing to Palladium.

Palladium LLC, 900 West Valley Rd, Suite 900, Wayne, PA 19807 – 484-320-8809 - [info@palladium.com](mailto:info@palladium.com) - [www.palladium.com](http://www.palladium.com)

©2021 Palladium LLC. Palladium has sole discretion to change allocations to styles and vehicles at any time.

Palladium LLC is a Registered Investment Adviser. **Approved for End Client Use.**