



# Earth Equity Advisors Signature Fossil-Fuel-Free Equity Portfolio



**Portfolio Manager**  
Peter W Krull, CSRIC  
CEO & Director of Investments  
Earth Equity Advisors, LLC

**Experience**  
B.A., Bethany College, WV 1994  
Started with Merrill Lynch 1998  
Founded Earth Equity Advisors  
(Formerly Krull & Company) 2004  
Manages seven sustainable portfolios

**Portfolio Information**  
Inception: December 21, 2012  
Category: Sustainable, Global, All-Cap  
Benchmark: MSCI ACWI

**Professional Designation**  
Chartered SRI Counselor

## Story

The Green Sage Sustainability Portfolio was founded over a cup of coffee with Asheville, NC's resident "Green Sage, Randy Talley. Randy, a natural foods pioneer, asked if we could put together a "basket of sustainable stocks." Earth Equity CEO, Peter Krull created the portfolio for Randy and soon thereafter branded it the Green Sage Sustainability Portfolio and opened it to the public.

## Investment Strategy

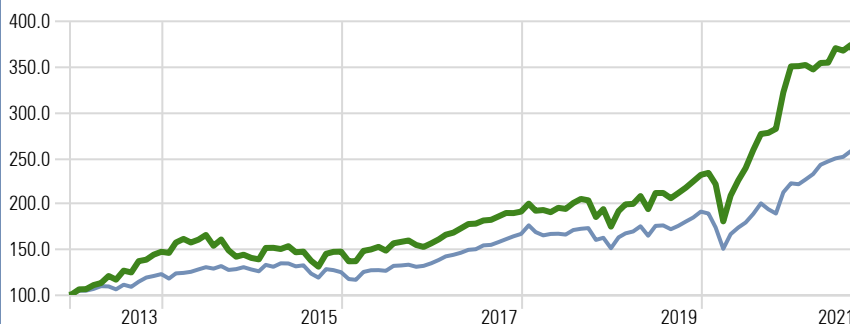
- Universe of 500+ global companies
- Positively invested portfolio - "What do we WANT to own?"
- 50 Stocks
- Must have a sustainable product, service or be part of the company operational ethic
- No more than 4 stocks per sub-sector
- Minimum 30% of companies domiciled outside of USA
- Companies cannot be involved in extraction, processing or transporting of fossil fuels
- At least 50% of companies must be profitable
- Stock price of at least \$5.00 per share
- At least 20% of companies must pay a dividend
- Stocks must trade at least 2000 shares per day
- Approximately 50% of stocks are Large-Cap, 30% Mid-Cap, 20% Small-Cap
- Market-cap weighted
- Dec 1st rebalance can replace 100% of portfolio
- June 1st rebalance can replace 30% of portfolio

## Priority Industries

- Alternative energy - solar, wind, geothermal
- Energy efficiency
- Battery technology
- Water distribution, filtration and efficiency technologies
- Green transportation
- Natural & organic products and services
- Sustainable real estate
- Information technology, big data and internet of things
- Green finance, insurance & community investments
- Recycling and circular economy
- Scientific instruments
- Green building technology
- Cutting edge biotechnology

## Investment Growth

Time Period: 12/21/2012 to 9/30/2021

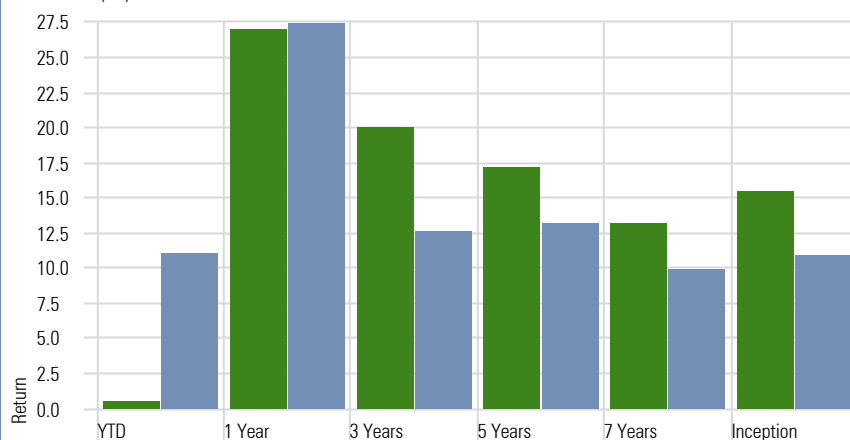


## Calendar Year Returns

	YTD	2020	2019	2018	2017	2016	2015	2014	2013
Green Sage Sustainability Portfolio	0.50	51.44	32.53	-8.62	22.28	6.19	4.89	-4.57	46.83
MSCI ACWI NR USD	11.12	16.25	26.60	-9.41	23.97	7.86	-2.36	4.16	22.80

## Trailing Returns

As of Date: 9/30/2021 Calculation Benchmark: MSCI ACWI NR USD



Green Sage Sustainability Portfolio MSCI ACWI NR USD

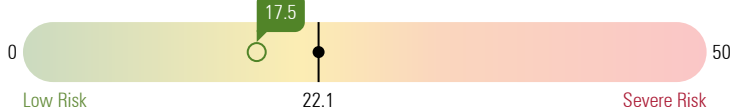
## Annualized Returns

	1 Year	3 Year	5 Year	7 Year	Since Inception
Green Sage Sustainability Portfolio	26.93%	20.07%	17.18%	13.12%	15.46%
MSCI ACWI NR USD	27.44%	12.58%	13.20%	9.95%	10.91%

## Sustainability Score

Benchmark: MSCI ACWI NR USD

### Portfolio Sustainability Score



## Carbon Metrics

### Low Carbon Designation



Morningstar carbon metrics are asset-weighted portfolio calculations based on Sustainalytics' company Carbon Risk Rating. To receive the Morningstar® Low Carbon Designation™, a fund must have a 12-month average Portfolio Carbon Risk Score below 10 and a 12-month average Fossil Fuel Involvement of less than 7% of assets. This signal helps investors easily identify funds that are well-positioned to transition to a low-carbon economy.

### Carbon Risk Score (12 Month Average)



### Fossil Fuel Involvement (12 Month Average)



## Top 15 Holdings

	Sector	Environmental Risk	ESG Risk	Weight
Daqo New Energy Corp ADR	🏠	—	28.91	3.58%
Illumina Inc	🏠	1.22	11.45	2.68%
Lam Research Corp	🏠	5.11	14.74	2.57%
Taiwan Semiconductor Manufacturing Co Ltd ADR	🏠	5.50	14.41	2.55%
Cree Inc	🏠	9.60	25.12	2.49%
CBRE Group Inc Class A	🏠	1.27	6.99	2.43%
Compass Group PLC ADR	🏠	4.12	17.87	2.39%
Square Inc Class A	🏠	1.10	19.10	2.38%
Vivendi SE ADR	🏠	0.05	—	2.36%
Erste Group Bank AG. ADR	🏠	1.06	18.94	2.28%
Microsoft Corp	🏠	0.46	13.26	2.24%
TopBuild Corp	🏠	—	21.19	2.23%
Morningstar Inc	🏠	—	—	2.18%
Trane Technologies PLC Class A	🏠	7.87	—	2.18%
NVIDIA Corp	🏠	2.53	12.77	2.14%
				36.68%

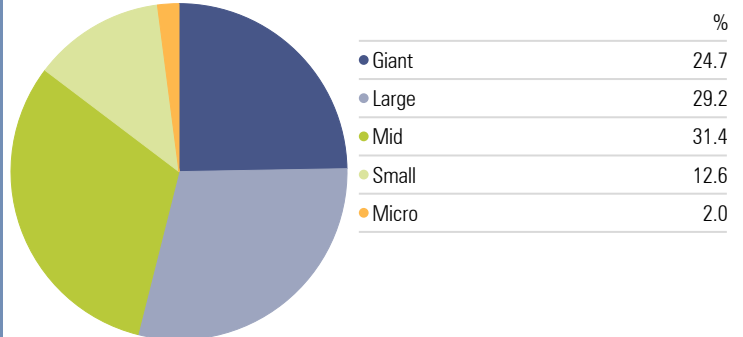
## Relative Statistics vs Benchmark

Calculation Benchmark: MSCI ACWI NR USD

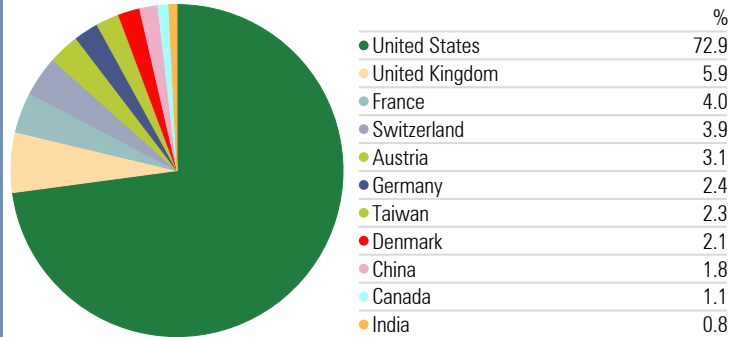
	YTD	1 Year	3 Years	5 Years	Inception
Return	0.50%	26.93%	20.07%	17.18%	15.46%
Excess Return	-10.62%	-0.51%	7.49%	3.99%	4.55%
Cumulative Return	0.50%	26.93%	73.12%	120.98%	251.77%
Alpha (non-excess return)	-0.91	-0.13	4.79	1.77	2.59
Beta (non-excess return)	0.83	1.07	1.20	1.18	1.19
Up Capture Ratio	41.89	89.62	121.71	112.97	116.44
Down Capture Ratio	126.20	60.95	100.89	98.70	97.42
Batting Average	22.22%	41.67%	58.33%	56.67%	59.05%
Best Month	4.48%	14.16%	15.69%	15.69%	15.69%
Worst Month	-5.81%	-5.81%	-18.44%	-18.44%	-18.44%

# Green Sage® Sustainability Portfolio

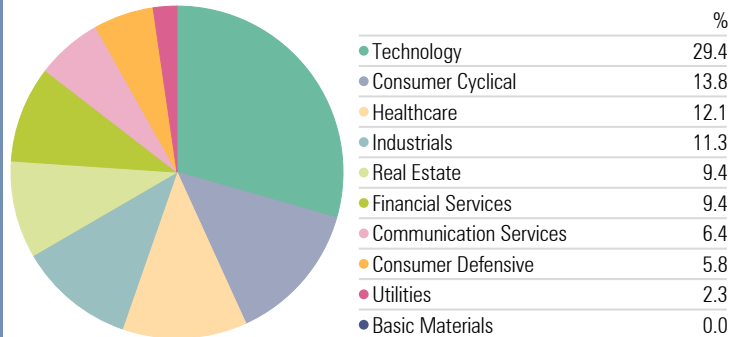
## Market Capitalization



## Country Exposure



## Equity Sectors



## Portfolio Statistics

Calculation Benchmark: MSCI ACWI NR USD

	Inv	Bmk	+/- Bmk
Market Cap (in Mil) - Monthly(Average)	110,170.03	32,714.54	77,455.49
P/E(Average)	40.08	39.86	0.23
P/B - Daily(Average)	7.02	4.26	2.76
P/S - Daily(Average)	6.73	4.41	2.32
P/C - Daily(Average)	19.73	13.74	6.00
P/EBITDA - Daily(Average)	30.28	38.22	-7.94
Dividend Yield % TTM(Average)	0.98	2.18	-1.20

### Monthly Returns

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
2021	0.07%	0.36%	-1.41%	2.05%	0.10%	4.48%	-0.73%	1.69%	-5.81%				0.50%
2020	0.94%	-5.32%	-18.44%	15.69%	7.98%	6.03%	8.29%	6.79%	0.43%	1.60%	14.16%	8.88%	51.44%
2019	9.78%	3.83%	0.26%	4.31%	-6.89%	9.10%	0.03%	-2.72%	2.72%	2.83%	3.15%	3.21%	32.53%
2018	4.54%	-3.87%	0.39%	-1.22%	2.51%	-0.61%	3.35%	2.22%	-0.75%	-9.00%	4.69%	-9.91%	-8.62%
2017	2.83%	3.14%	1.38%	2.73%	2.80%	0.25%	1.94%	0.40%	2.01%	2.06%	-0.06%	0.87%	22.28%
2016	-7.20%	0.08%	8.31%	1.02%	1.92%	-2.73%	5.45%	0.99%	0.95%	-3.08%	-1.39%	2.59%	6.19%
2015	-1.15%	9.05%	0.09%	-0.86%	2.07%	-4.37%	0.50%	-6.78%	-4.77%	10.81%	1.48%	0.15%	4.89%
2014	-0.85%	7.79%	2.55%	-2.44%	2.02%	3.18%	-7.18%	4.50%	-7.40%	-4.72%	1.56%	-2.44%	-4.57%
2013	5.66%	0.18%	4.26%	1.99%	6.87%	-3.34%	8.49%	-1.56%	9.96%	1.18%	3.97%	2.21%	46.83%

### Leading Contributors TTM

Time Period: 10/1/2020 to 9/30/2021

	Rescaled Weight	Return	Contribution
Daqo New Energy Corp ADR	2.44%	110.74%	2.23%
Erste Group Bank AG ADR	2.28%	107.60%	1.96%
Lam Research Corp	2.48%	73.17%	1.52%
NVIDIA Corp	2.07%	54.87%	1.49%
CBRE Group Inc Class A	2.09%	57.95%	1.46%
Morningstar Inc	2.25%	62.18%	1.20%
Twist Bioscience Corp	1.58%	40.81%	1.13%
Xylem Inc	2.23%	48.55%	1.06%
Taiwan Semiconductor Manufacturing Co Ltd ADR	2.48%	39.58%	1.06%
Accenture PLC Class A	2.28%	43.44%	1.01%

### Leading Detractors TTM

Time Period: 10/1/2020 to 9/30/2021

	Rescaled Weight	Return	Contribution
Lordstown Motors Corp Ordinary Shares - Class A	0.66%	-65.91%	-1.09%
Beyond Meat Inc	1.99%	-36.61%	-0.97%
Azure Power Global Ltd	0.87%	-39.94%	-0.67%
ChargePoint Holdings Inc Ordinary Shares - Class A	0.66%	-33.61%	-0.57%
QuantumScape Corp Ordinary Shares - Class A	1.16%	-30.72%	-0.35%
Amgen Inc	2.13%	-13.89%	-0.32%
Village Farms International Inc	1.19%	-17.51%	-0.27%
Unilever PLC ADR	1.70%	-7.99%	-0.21%
Equinix Inc	0.34%	-5.92%	-0.12%
Valeo SA ADR	1.77%	-7.44%	-0.07%

All returns on this factsheet that are greater than one year in length have been annualized. Performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the data quoted. Performance results reflect performance for a model account, net of the highest available management fees, an asset based custodial transaction fee and transaction fees. Performance results reflect the reinvestment of dividends and interest. Model performance has inherent limitations. The returns shown are model results only and do not represent the results of actual trading of client assets only the tracked results of potential transactions based on the dictates of the trading strategy. The model performance shown does not reflect the impact that material economic and market factors had or might have had on decision making if the account held actual client capital. Actual client accounts in this strategy are managed by Earth Equity Advisors (EEA) based on the model portfolio, but the actual composition and performance of these accounts 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.

The Green Sage Sustainability Portfolio may invest in companies with small and medium market capitalizations. Historically, small and medium-sized companies have had greater volatility than large companies.

The Green Sage Sustainability Portfolio may invest in companies domiciled in foreign countries. Investing in foreign securities may involve certain additional risks, exchange-rate fluctuations, limited liquidity, high levels of volatility, social and political instability and reduced regulation. Emerging markets are often more volatile than developed markets and investing in emerging markets involves greater risks. Given the potential increased volatility of global investments, an investment in the Green Sage Sustainability Portfolio should be considered a long-term investment.

The MSCI ACWI Index captures large, mid and small cap representation across 23 developed markets and 23 emerging markets countries. With over 8,600 constituents, the index is comprehensive, covering approximately 99% of the global equity investment opportunity set. Investors cannot invest directly in this index.

All performance and characteristics data are sourced from Morningstar Direct.

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Source: Morningstar Direct