

Annual Shareholder Report

December 31, 2024

This annual shareholder report contains important information about the Guinness Atkinson Alternative Energy Fund ("Fund") for the period of January 1, 2024 to December 31, 2024. You can find additional information about the Fund at <https://www.gafunds.com/our-funds/alternative-energy-fund/>. You can also request this information by contacting us at (800) 915-6565.

What were the Fund costs for the last year?

(based on a hypothetical \$10,000 investment)

Fund (Class)	Costs of a \$10,000 Investment	Costs Paid as a Percentage of a \$10,000 Investment
Guinness Atkinson Alternative Energy Fund	\$103	1.10%

How did the Fund perform during the reporting period?

In 2024, the Guinness Atkinson Alternative Energy Fund produced a total return of -11.85% vs the MSCI World Index (net return) of 18.67%.

What affected the Fund's performance?

Fund performance can be attributed to the following.

Within the portfolio, the strongest performers included:

- Our electrical equipment names Eaton, Itron, Hubbell, and Schneider all performed strongly, driven by an acceleration in global electrification activity, the re-industrialisation of the United States and the resolution of supply chain issues which allowed them to pass on inflationary pressures and therefore maintain operating margins.
- Trane Technologies was the individual strongest contributor in the portfolio, helped by its positioning with respect to data centres as well as regulatory changes (which increase the need for better HVAC).
- First Solar was the strongest performer in the solar sector. As the US's leading domestic module manufacturer, the company is a key beneficiary of the IRA. As such, it finds it modules in high demand from US utility solar players who are drawn to the security of delivery of its products. First Solar's modules are now sold out until the end of 2027.

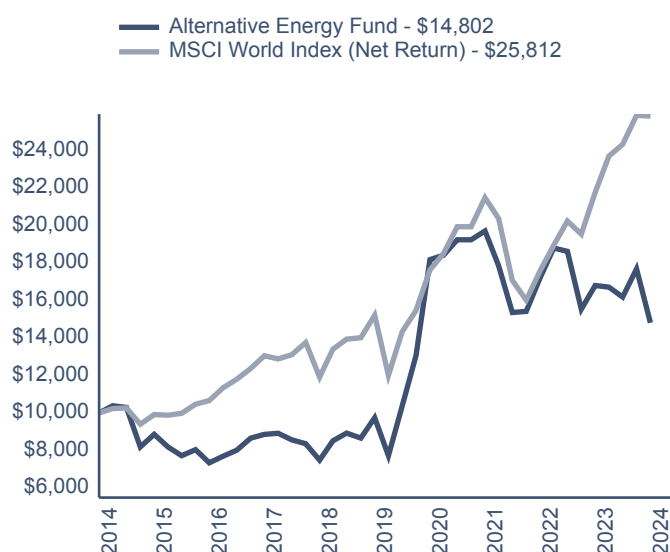
Sectors and companies in the portfolio that were relatively weaker over the period included:

- The electrification sub sector, comprising EV component and lithium-ion battery manufacturers, suffering from downgrades to global auto production, delays in EV launch schedules, and the threat of increasing Chinese competition.
- Nibe shares were under pressure as weak demand meant that the heat pump market remained overstocked at the distributor level as lower cost Asian competition intensified.

- Residential solar inverter manufacturers, Enphase and SolarEdge, delivered negative contribution as results were weighed down by an inventory destocking cycle. Management indicate that with cycle has ended in the United States and is close to ending in Europe, suggesting a more positive outlook for 2025.
- The largest individual negative contributor in the year was Vestas, which announced a negative change to the accounting approach it uses for its service contracts. Beyond this specific accounting issue for Vestas, the wind industry continued to recover from its cyclical trough but negative sentiment around Trump's election caused weakness into the end of the year.

Fund Performance

The following graph compares the initial and subsequent account values at the end of each of the most recently completed 10 fiscal years of the Fund, or for the life of the Fund, if shorter. It assumes a \$10,000 initial investment at the beginning of the first fiscal year in an appropriate, broad-based securities market index for the same period.



Average Annual Total Return

	1 Year	5 Years	10 Years
Guinness Atkinson Alternative Energy Fund	-11.85%	8.72%	4.00%
MSCI World Index (Net Return)	18.67%	11.15%	9.94%

The fund’s past performance is not a good predictor of how the fund will perform in the future. The graph and table do not reflect the deduction of taxes that a shareholder would pay on fund distributions or redemption of fund shares.

For the most recent performance information, visit https://www.gafunds.com/our-funds/alternative-energy-fund/#fund_performance.

What are some key Fund statistics?
(as of December 31, 2024)

Net Assets (\$)	\$18,744,520
Number of Portfolio Holdings	33
Portfolio Turnover Rate (%)	15%
Total Advisory Fees Paid (\$)	\$34,425

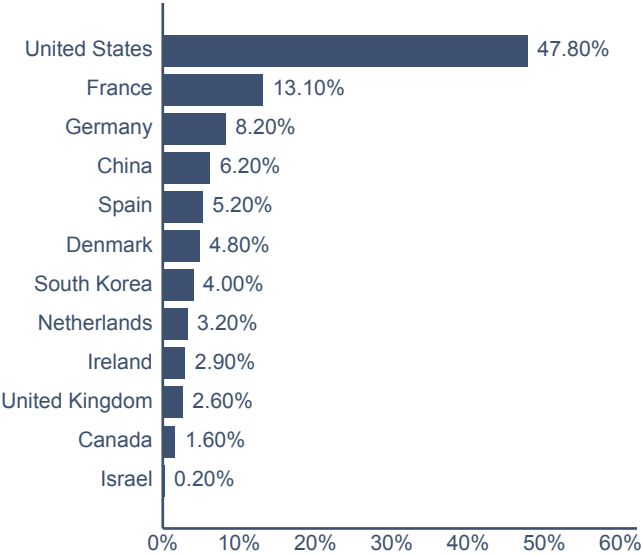
What did the Fund invest in?
(as of December 31, 2024)

The tables below show the investment makeup of the Fund, representing percentage of the total net assets of the Fund. The Top Ten Holdings and Geographic Allocation exclude short-term holdings, if any.

Top Ten Holdings (% of net assets)

Top 10	% of Net Assets
Iberdrola SA	5.20%
Schneider Electric SE	5.10%
Hubbell Inc	4.90%
Nextera Energy Inc	4.90%
Eaton Corp PLC	4.80%
Trane Technologies PLC	4.80%
Siemens AG	4.80%
Legrand SA	4.50%
Itron Inc	4.10%
Owens Corning	3.70%

Geographic Breakdown (% of net assets)



How has the Fund changed over the past year?

The Fund did not have any material changes that occurred since the beginning of the reporting period.

What changes in or disagreements with accountants occurred?

There were no changes in or disagreements with the Fund's accountants during the reporting period.

Where can I find additional information about the Fund?

You can find additional information about the Fund such as the prospectus, financial information, fund holdings and proxy voting information at <https://www.gafunds.com/our-funds/alternative-energy-fund/>. You can also request this information by contacting us at (800) 915-6565.

To reduce expenses, the Trust may mail only one copy of Funds' prospectus and each annual and semi-annual report to those addresses shared by two or more accounts. If you wish to receive individual copies of these documents, please call us at (800) 915-6565 (or contact your financial institution). The Trust will be sending you individual copies thirty days after receiving your request.