

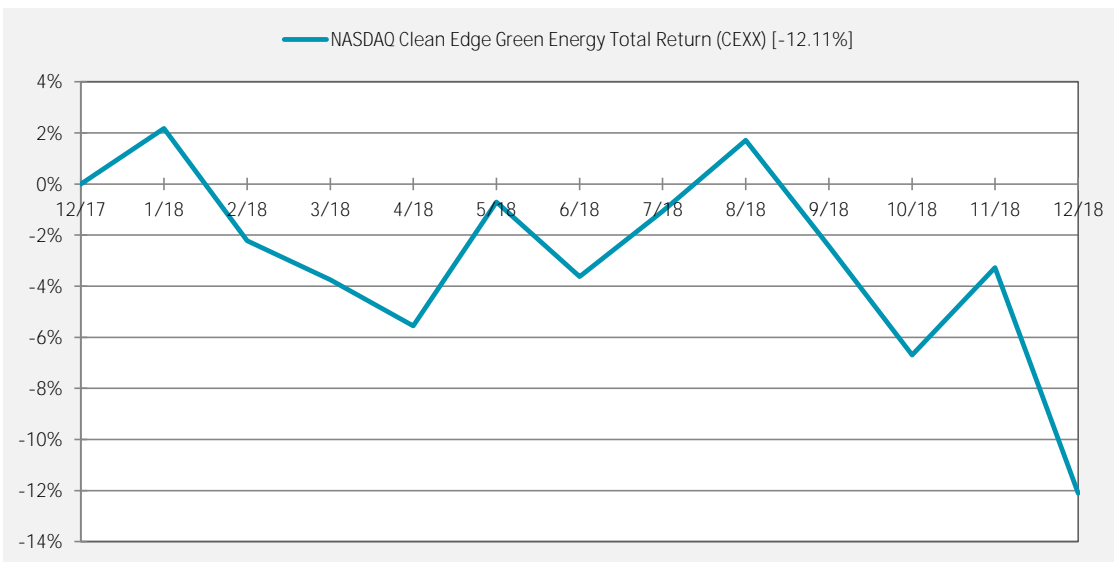


NASDAQ Clean Edge Green Energy Total Return

The NASDAQ Clean Edge Green Energy Index is designed to track the performance of a set of clean energy companies.

More information about the Index can be found at <https://indexes.nasdaqomx.com/Index/Overview/CELS>

1-YEAR PERFORMANCE



QUICK FACTS

Securities: 40
Currency: USD
History: 11/17/2006
YTD Return: -12.11%

INDEX TICKERS

Price Return: CELS
Total Return: CEXX
Net Total Return:

TOP 10 SECURITIES BY WEIGHT

TICKER	SECURITY	WEIGHT
TSLA	TESLA; INC.	8.35%
ON	ON SEMICONDUCTOR	7.22%
ALB	ALBEMARLE CP	7.04%
IDTI	INTEGRATED DEVICES	6.49%
HXL	HEXCEL CP DELAWARE	5.13%
OLED	UNIVERSAL DISPLAY	4.48%
CREE	CREE; INC.	4.26%
FSLR	FIRST SOLAR; INC.	4.20%
BEP	BROOKFIELD RENEWABLE	3.98%
LFUS	LITTELFUSE; INC.	3.94%

INDUSTRY BREAKDOWN

INDUSTRY	WEIGHT	SECURITIES
Oil & Gas	12.04%	11
Basic Materials	8.96%	3
Industrials	27.81%	10
Consumer Goods	8.35%	1
Health Care	0.00%	0
Consumer Services	0.00%	0
Telecommunications	0.00%	0
Utilities	11.75%	6
Financials	2.57%	2
Technology	21.84%	5

PERFORMANCE(TR Version)

ANNUAL

1 Year	-12.11%
2 Year	32.05%
3 Year	-2.65%
4 Year	-6.38%
5 Year	-3.13%
6 Year	89.34%
7 Year	-1.32%
8 Year	-40.81%
9 Year	2.71%
10 Year	44.72%

CUMULATIVE

1 Year	-12.11%
2 Year	16.06%
3 Year	12.98%
4 Year	5.78%
5 Year	2.46%
6 Year	94.00%
7 Year	91.44%
8 Year	13.31%
9 Year	16.38%
10 Year	68.42%

ANNUALIZED

1 Year	-12.11%
2 Year	7.73%
3 Year	4.15%
4 Year	1.41%
5 Year	0.49%
6 Year	11.68%
7 Year	9.72%
8 Year	1.57%
9 Year	1.70%
10 Year	5.35%

ANNUALIZED VOLATILITY(TR Version)

ANNUAL

1 Year	21.14%
2 Year	15.09%
3 Year	22.26%
4 Year	24.14%
5 Year	25.93%
6 Year	24.89%
7 Year	26.34%
8 Year	37.81%
9 Year	30.32%
10 Year	44.03%

CUMULATIVE

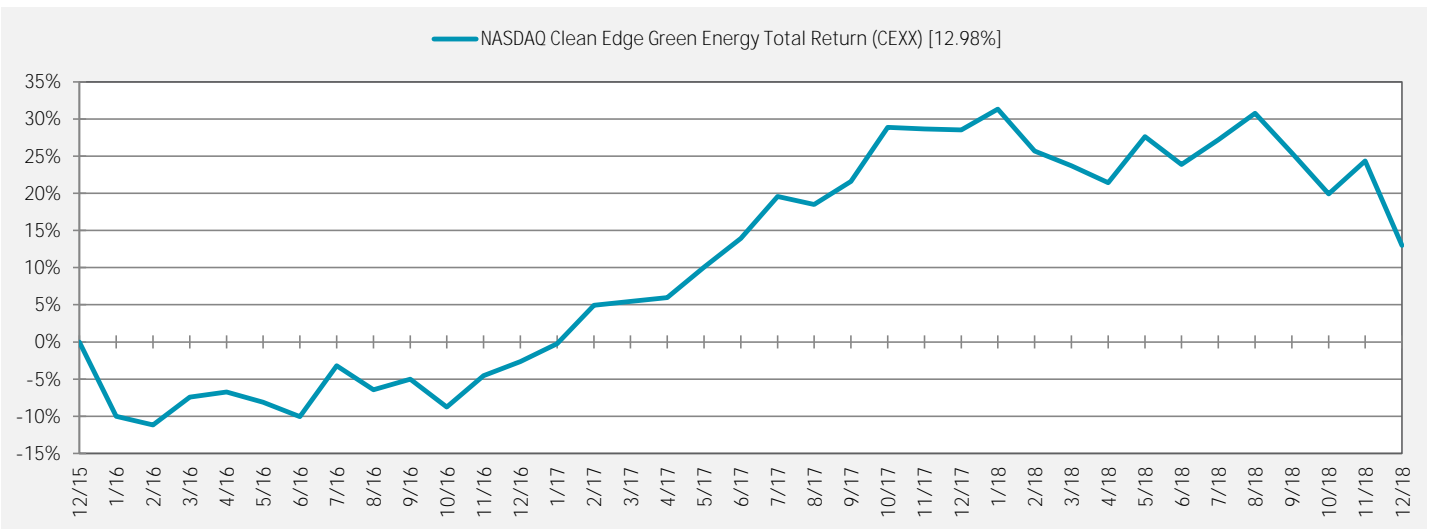
1 Year	21.14%
2 Year	18.35%
3 Year	19.73%
4 Year	20.92%
5 Year	22.02%
6 Year	22.57%
7 Year	23.09%
8 Year	25.42%
9 Year	26.01%
10 Year	28.34%

PERFORMANCE(TR Version)

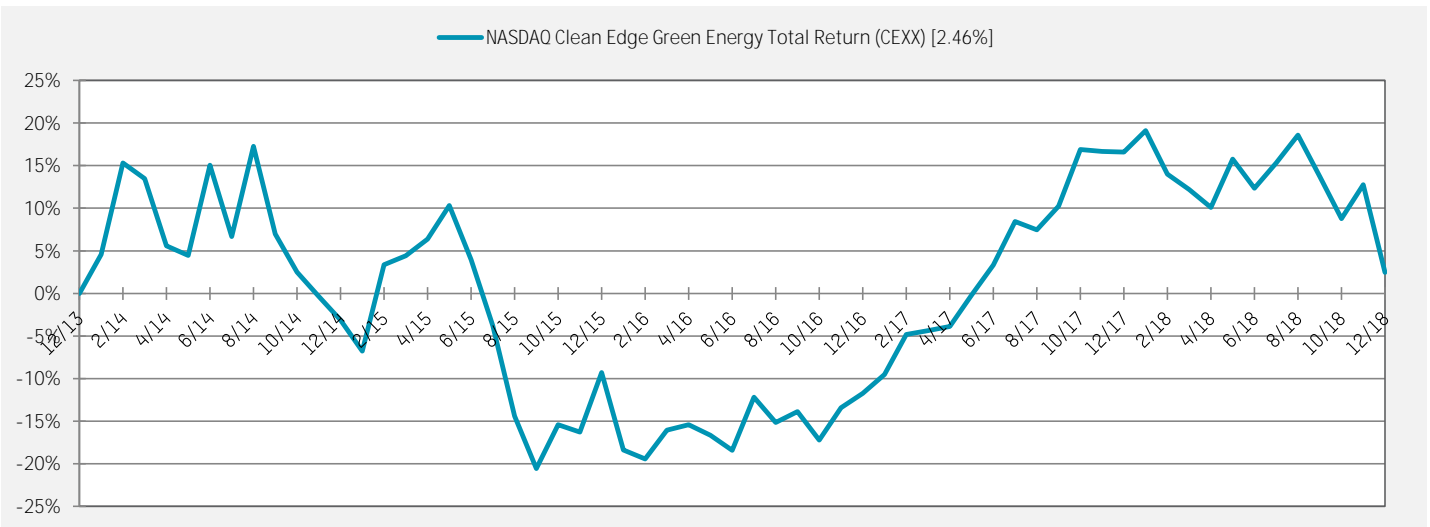
CALENDER YEAR

2018	-12.11%
2017	32.05%
2016	-2.65%
2015	-6.38%
2014	-3.13%
2013	89.34%
2012	-1.32%
2011	-40.81%
2010	2.71%
2009	44.72%

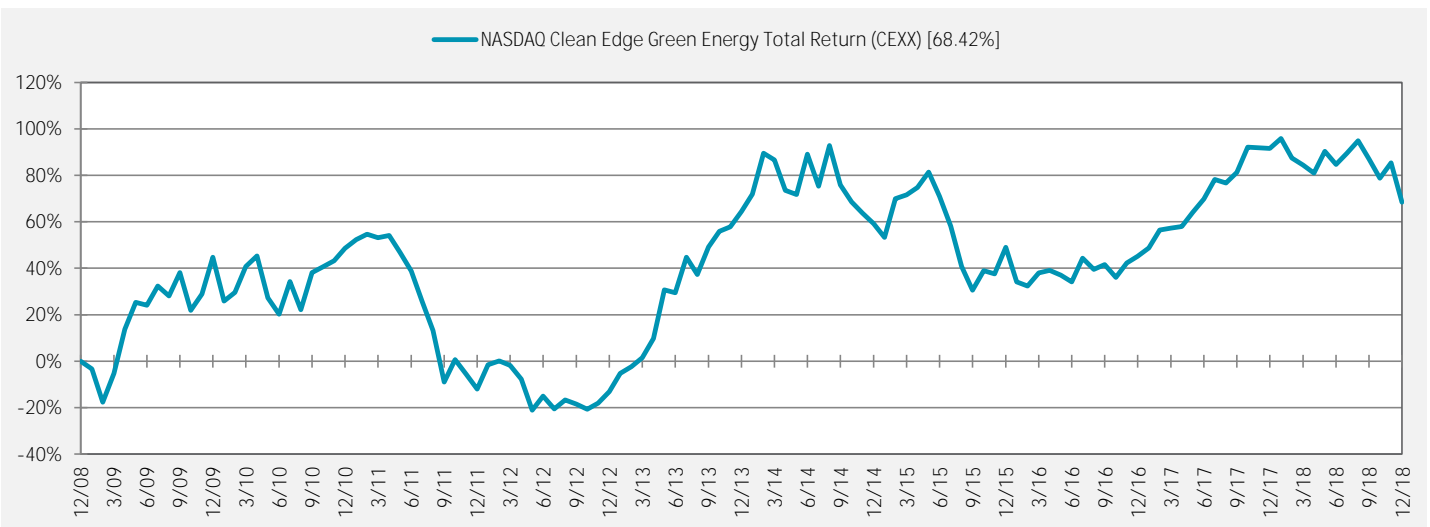
3-YEAR PERFORMANCE



5-YEAR PERFORMANCE



10-YEAR PERFORMANCE



MONTHLY PERFORMANCE(TR Version)

Dec 2018	-9.13%
Nov 2018	3.67%
Oct 2018	-4.38%
Sep 2018	-4.07%
Aug 2018	2.82%
Jul 2018	2.66%
Jun 2018	-2.94%
May 2018	5.13%
Apr 2018	-1.87%
Mar 2018	-1.57%
Feb 2018	-4.29%
Jan 2018	2.17%
Dec 2017	-0.09%
Nov 2017	-0.17%
Oct 2017	6.01%
Sep 2017	2.59%
Aug 2017	-0.90%
Jul 2017	4.95%
Jun 2017	3.55%
May 2017	3.85%
Apr 2017	0.48%
Mar 2017	0.49%
Feb 2017	5.21%
Jan 2017	2.47%
Dec 2016	1.99%
Nov 2016	4.59%
Oct 2016	-3.90%
Sep 2016	1.51%
Aug 2016	-3.37%
Jul 2016	7.61%
Jun 2016	-2.08%
May 2016	-1.50%
Apr 2016	0.76%
Mar 2016	4.23%
Feb 2016	-1.29%
Jan 2016	-10.03%
Dec 2015	8.31%
Nov 2015	-0.99%
Oct 2015	6.48%
Sep 2015	-7.23%

Aug 2015	-11.02%
Jul 2015	-7.47%
Jun 2015	-5.76%
May 2015	3.74%
Apr 2015	1.84%
Mar 2015	1.03%
Feb 2015	10.86%
Jan 2015	-3.74%
Dec 2014	-2.78%
Nov 2014	-2.81%
Oct 2014	-4.16%
Sep 2014	-8.79%
Aug 2014	9.93%
Jul 2014	-7.26%
Jun 2014	10.14%
May 2014	-1.09%
Apr 2014	-6.96%
Mar 2014	-1.57%
Feb 2014	10.25%
Jan 2014	4.59%
Dec 2013	4.11%
Nov 2013	1.29%
Oct 2013	4.55%
Sep 2013	8.56%
Aug 2013	-5.10%
Jul 2013	11.81%
Jun 2013	-0.92%
May 2013	19.06%
Apr 2013	8.12%
Mar 2013	4.03%
Feb 2013	3.06%
Jan 2013	9.04%
Dec 2012	5.93%
Nov 2012	3.40%
Oct 2012	-2.73%
Sep 2012	-2.19%
Aug 2012	4.87%
Jul 2012	-6.50%
Jun 2012	7.71%
May 2012	-14.42%

Apr 2012	-6.12%
Mar 2012	-1.87%
Feb 2012	1.66%
Jan 2012	11.88%
Dec 2011	-6.74%
Nov 2011	-6.24%
Oct 2011	10.53%
Sep 2011	-19.61%
Aug 2011	-9.93%
Jul 2011	-9.47%
Jun 2011	-5.41%
May 2011	-4.78%
Apr 2011	0.70%
Mar 2011	-0.99%
Feb 2011	1.48%
Jan 2011	2.51%
Dec 2010	3.82%
Nov 2010	1.78%
Oct 2010	1.89%
Sep 2010	13.00%
Aug 2010	-8.98%
Jul 2010	11.62%
Jun 2010	-5.45%
May 2010	-12.44%
Apr 2010	3.21%
Mar 2010	8.63%
Feb 2010	2.88%
Jan 2010	-12.98%
Dec 2009	12.33%
Nov 2009	5.66%
Oct 2009	-11.69%
Sep 2009	7.85%
Aug 2009	-3.22%
Jul 2009	6.67%
Jun 2009	-1.05%
May 2009	10.20%
Apr 2009	20.06%
Mar 2009	15.15%
Feb 2009	-14.94%
Jan 2009	-3.28%

QUARTERLY PERFORMANCE(TR Version)

Q4 2018	-9.92%
Q3 2018	1.25%
Q2 2018	0.13%
Q1 2018	-3.76%
Q4 2017	5.73%
Q3 2017	6.69%
Q2 2017	8.05%
Q1 2017	8.34%
Q4 2016	2.50%
Q3 2016	5.56%
Q2 2016	-2.81%
Q1 2016	-7.43%
Q4 2015	14.19%
Q3 2015	-23.62%
Q2 2015	-0.43%
Q1 2015	7.81%
Q4 2014	-9.45%
Q3 2014	-7.01%
Q2 2014	1.36%
Q1 2014	13.49%
Q4 2013	10.25%
Q3 2013	15.19%
Q2 2013	27.54%
Q1 2013	16.90%
Q4 2012	6.53%
Q3 2012	-4.10%
Q2 2012	-13.46%
Q1 2012	11.61%
Q4 2011	-3.35%
Q3 2011	-34.45%
Q2 2011	-9.30%
Q1 2011	3.00%
Q4 2010	7.67%
Q3 2010	14.80%
Q2 2010	-14.55%
Q1 2010	-2.75%
Q4 2009	4.81%
Q3 2009	11.34%
Q2 2009	30.92%
Q1 2009	-5.27%

All Information as of 12/31/2018.

Sources: Nasdaq Global Indexes Research. Bloomberg. FactSet.

DISCLAIMER

Nasdaq® is a registered trademark of Nasdaq, Inc. The information contained above is provided for informational and educational purposes only, and nothing contained herein should be construed as investment advice, either on behalf of a particular security or an overall investment strategy. Neither Nasdaq, Inc. nor any of its affiliates makes any recommendation to buy or sell any security or any representation about the financial condition of any company. Statements regarding Nasdaq-listed companies or Nasdaq proprietary indexes are not guarantees of future performance. Actual results may differ materially from those expressed or implied. Past performance is not indicative of future results. Investors should undertake their own due diligence and carefully evaluate companies before investing. **ADVICE FROM A SECURITIES PROFESSIONAL IS STRONGLY ADVISED.**

WWW.NASDAQOMX.COM/INDEXES |  [@NASDAQIndexes](https://twitter.com/NASDAQIndexes)

NASDAQ GLOBAL INDEXES
1.212.231.5836

GLOBALINDEXES@NASDAQ.COM

NASDAQ LICENSING
1.212.401.8987

NASDAQLICENSING@NASDAQ.COM

INDEX DATA SALES
1.212.231.1588

GISCUSTOMERSERVICE@NASDAQ.COM

CORPORATE HEADQUARTERS | ONE LIBERTY PLAZA 165 BROADWAY NEW YORK, NY 10006

WORLDWIDE OFFICES | ARMENIA • AUSTRALIA • BELGIUM • CANADA • CHINA • DENMARK • ESTONIA • FINLAND • FRANCE • GERMANY • HONG KONG S.A.R. CHINA • ICELAND • INDIA • ITALY • JAPAN • LATVIA • LITHUANIA • NORWAY • NETHERLANDS • PHILIPPINES • SINGAPORE • SPAIN • STOCKHOLM • UNITED ARAB EMIRATES • UNITED KINGDOM



© 2017. Nasdaq, Inc. All Rights Reserved.