

Renewable Utility - Technical Analysis

NextEra Energy (NEE) | Solar Energy Sector

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1. Data Overview

Company:	NextEra Energy (NEE)
CIK:	0000753308
Analysis Period:	2016-02-01 to 2026-01-30 (~10.0 years)
Trading Days:	2,514
Latest Close:	\$87.90

2. Methodology

Risk Metrics (CFA/Basel Standards):

- Sharpe Ratio:** $(\text{Annualized Return} - R_f) / \text{Volatility}$ ($R_f = 0\%$)
- Sortino Ratio:** $\text{Annualized Return} / \text{Downside Deviation}$
- VaR (95%, 99%):** Historical percentile of daily returns
- Max Drawdown:** Largest peak-to-trough decline in cumulative returns
- Volatility:** Standard deviation of daily returns $\times \sqrt{252}$ (annualized)

3. Risk Metrics Summary

Metric	Value	Interpretation
Total Return (10.0Y)	+302.0%	Cumulative appreciation
Annualized Return	+15.0%	Geometric mean annual
Volatility	25.2%	Annualized std dev
Sharpe Ratio	0.59	Risk-adjusted return
Sortino Ratio	0.76	Downside risk-adjusted
Max Drawdown	-45.0%	Peak-to-trough

4. Return Distribution

Metric	Value	Notes
Positive Days	54.2%	Days with positive returns
Best Day	+13.69%	Maximum single-day gain
Worst Day	-13.42%	Maximum single-day loss
VaR (95%)	-2.22%	5% worst-case daily loss
VaR (99%)	-4.60%	1% worst-case daily loss

5. SEC EDGAR Financial Data

Metric	Value	Period End	Form	Accession
Revenue	\$23.5B	2024-12-31	10-K	0000753308-25-000011
Net Income	\$6.9B	2024-12-31	10-K	0000753308-25-000011
Total Assets	\$190.1B	2024-12-31	10-K	0000753308-25-000011
Total Liabilities	\$129.3B	2024-12-31	10-K	0000753308-25-000011
Stockholders Equity	\$50.1B	2024-12-31	10-K	0000753308-25-000011
Operating Income	\$7.5B	2024-12-31	10-K	0000753308-25-000011
Cash	\$1.5B	2024-12-31	10-K	0000753308-25-000011
Eps	\$3.38	2024-12-31	10-K	0000753308-25-000011

Data Sources (100% Verifiable - NO SIMULATION):

- **SEC EDGAR:** <https://data.sec.gov/api/xbrl/companyfacts/CIK0000753308.json>
- **Stock Data:** Yahoo Finance (NEE)

Anyone can verify these numbers by querying the APIs directly.