

# The U.S. Electric Utility Clean Energy Benchmarking Report

Since 2002, Ceres has published a series of reports benchmarking the air emissions performance of the 100 largest power producers in the United States. The [Benchmarking Air Emissions Report](#) has been well received by utilities, utility commissioners, industry analysts, investors and other stakeholders.

Clean Edge, Inc. has tracked and benchmarked the clean-tech ecosystem since the firm's inception in 2000. It launched its first stock index in 2006 and its state leadership index in 2010. The [U.S. Clean Tech Leadership Index](#) benchmarks all states and the top 50 metro regions on their

clean-tech deployment, policies, and investments. The [NASDAQ® Clean Edge CELS stock index](#) tracks U.S.-based clean-energy companies and the [QGRD stock index](#) tracks global smart grid infrastructure firms.

**Until now**, there has been no single source for information on how U.S. electric utilities comparatively perform in terms of deploying clean energy. The lack of reporting leaves regulators, analysts, investors and public interest groups without an effective means of evaluating the overall clean-energy performance of utilities. This first-of-its-kind report is meant to help close that gap.

## Utility Clean Energy Benchmarking Report

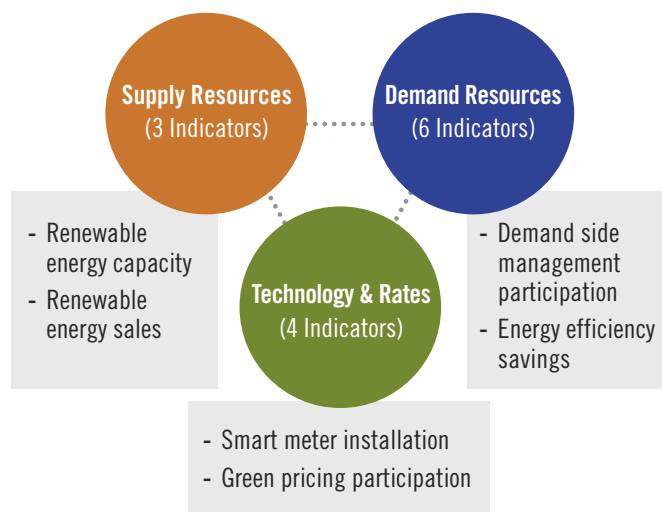
The *Utility Clean Energy Benchmarking* report synthesizes data from numerous sources to provide an overall relative ranking of the clean-energy deployment of the 25 largest investor-owned electric utility holding companies in the U.S.

The report evaluates utility clean-energy performance in three areas:

**Category 1: Supply Resources**—the share of renewable energy in a utility's resource mix (both owned and purchased assets);

**Category 2: Demand Resources**—the extent to which the utility leverages energy efficiency and demand management programs to meet customer needs;

**Category 3: Technology and Rate Structures**—the utility's activity related to Advanced Metering Infrastructure (AMI) installations (smart meters) and green pricing programs.



*Renewable energy capacity includes absolute data; all other indicators include both absolute and levelized data. Energy efficiency savings data includes both "total annual" and "annual incremental" effects.*

## Data Sources

Data indicating electric utility clean-energy deployment is scattered among many diverse sources. Data sources for this report include the following:

- U.S. Energy Information Administration (EIA) Forms 860 & 861
- Solar Energy Industry Association (SEIA)
- American Wind Energy Association (AWEA)
- Energy Recovery Council (ERC)
- Geothermal Energy Council (GEC)
- State Renewable Portfolio Standard compliance reports (filed with state public utilities commissions)
- U.S. Securities and Exchange Commission filings (Form 10-K)
- Utility sustainability reports
- Direct contact with utilities

## Utility Holding Companies Profiled:

- |                               |                              |
|-------------------------------|------------------------------|
| - American Electric Power     | - NextEra                    |
| - Ameren                      | - Northeast Utilities/ NSTAR |
| - CMS Energy                  | - OGE Energy                 |
| - ConEdison                   | - PPL                        |
| - Dominion Resources          | - Pepco Holdings             |
| - DTE Energy                  | - PG&E                       |
| - Duke Energy/Progress Energy | - Pinnacle West              |
| - Edison International        | - PSEG                       |
| - Entergy                     | - Puget Sound Energy         |
| - Exelon/ Constellation       | - Southern Company           |
| - FirstEnergy                 | - We Energies                |
| - MidAmerican/Pacificorp      | - Xcel Energy                |
| - National Grid               |                              |

## Benefits of the Report

Benchmarking electric utility company clean energy performance provides an opportunity for transparent reporting and analysis of important industry trends. It also fills a knowledge gap by offering utilities, regulators, investors, policy makers and other stakeholders consistent and comparable information on which to base their decisions.

**The financial community**, including investors in the electric utility industry, is continually searching for new and better ways to evaluate the financial, environmental and social performance of electric utility companies, with a particular focus on the need to reduce greenhouse gas emissions. Investors are becoming increasingly attuned to how investor-owned electric utilities are adapting to disruptive challenges facing the sector and modernizing their business models to enhance profitability and minimize risk of financial loss.

**Electric utility companies** can benefit from clean energy benchmarking by understanding how their peers are performing across various market and regulatory environments.

**Consumers** can benefit from learning how much clean energy their utility has deployed, how the utility is tracking toward state renewable energy and energy efficiency requirements (if applicable), and how well-positioned the utility is for a lower-carbon future (which could impact reliability, service quality and customer bills).

**Policymakers** can benefit from benchmarking by understanding which clean energy policies have been most effective in driving investment and creating value for customers, utilities, shareholders and non-utility businesses.

**Service providers**, from ESCOs and demand side management providers to energy developers and technology firms that are working with utilities on various clean energy solutions, can leverage the comparative scoring to see how their work is helping move utility clients and partners forward. It can also be a valued tool to understand which utilities may be best positioned for certain types of support.

We hope that the data and analysis in this first-ever *Utility Clean Energy Benchmarking* report promotes understanding of what's working well; encourages regulators, policy makers and utilities to embrace more ambitious clean energy goals; enables investors to identify which utilities are best positioned for future success; supports the organizations working with utilities to deploy clean energy solutions; and helps to accelerate state and national efforts to expand clean energy investment.

## Partnership/Sponsorship Benefits

Partnering with Ceres and Clean Edge on this report makes the project and annual updates possible. Below are standard branding, review, data access, and advisory benefits; however, we are open to creating a relationship that works best for our partners.

### 1. Thought Leadership, Branding, and Outreach

- Branding within report
- Recognition on report summary web pages
- Opportunity to speak on release webinar and at possible other events
- Opportunity for custom branded report version to distribute at events and share with partners/clients

### 2. Data Review and Feedback

- Review of report structure and opportunity for suggestions
- Early review of report for feedback on results and analysis
- Access to full datasets in customizable files

### 3. Advisory Support and Customized Data

- Webinar presentation for staff on overall findings and relevant data
- Brainstorming session to talk about application of findings
- Customized datasets for internal and external release (added fee)

**About Ceres:** Ceres is an advocate for sustainability leadership. It leads a national coalition of investors, environmental groups and other public interest organizations working with companies to address sustainability challenges. Ceres also directs the Investor Network on Climate Risk (INCR), a network of 100 institutional investors with collective assets totaling about \$10 trillion. Ceres' Electric Power Program has produced a number of groundbreaking reports, including the *Benchmarking Air Emissions* report and the *Practicing Risk-Aware Electricity Regulation* report.

**About Clean Edge:** Clean Edge, Inc., founded in 2000, is the world's first research and advisory firm devoted to the clean-tech sector. For more than a decade the firm has delivered timely data, expert analysis, and comprehensive insights to governments, corporations, investors, nonprofits, and other key industry stakeholders. The company offers an unparalleled suite of index, benchmarking, custom research, and advisory services including the *U.S. Clean Tech Leadership Index*, annual *Clean Energy Trends* report, Clean Tech Nation Briefing Series, and clean-tech stock indexes with NASDAQ®.

For more information on partnership options and pricing, please contact:

**Dan Bakal**  
Ceres, Inc.  
Director, Electric Power Programs  
617-247-0700, ext. 113  
[bakal@ceres.org](mailto:bakal@ceres.org)

**Bryce Yonker**  
Clean Edge, Inc.  
Director of Business Development  
503-206-8448  
[yonker@cleanedge.com](mailto:yonker@cleanedge.com)

