HData

Transforming Regulatory Energy with Automation and Al





Luke Ashton

Regulatory Economist / Product

Manager - Al & Data

Prev: MA Fellow - Mercatus Center at George Mason University luke.ashton@hdata.us



Jason Stevenson
Account Executive

Prev: Public Utility Rates Analyst & Auditor - Wisconsin PSC jason.stevenson@hdata.us



1) About HData

Agenda

2) FERC Forms and XBRL

3) FERC Data Use Cases

4) HData Platform Demonstration



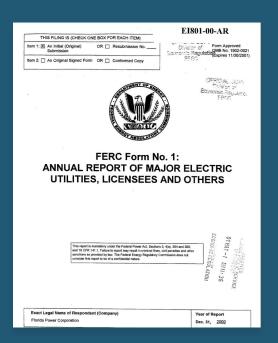
Regulatory energy data is painful and inefficient to navigate and manage.



Two Major Shifts Unlock a Better Way

1. XBRL Mandate

The Federal Energy Regulatory Commission implemented the XBRL formatting standard for annual and quarterly filings, finally making millions of data-rich documents machine-readable.

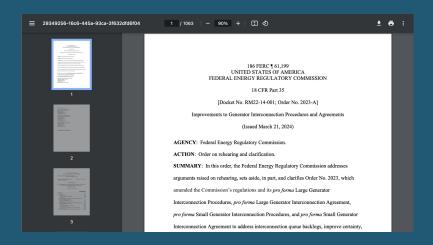




Two Major Shifts Unlock a Better Way

2. Artificial Intelligence

Rapid AI innovation and the development of industry-specific applications now positions utilities to safely and securely use AI to reduce time, cost, and burden of many tasks, and enables energy professionals to focus more of their time and expertise on difficult industry and societal challenges.



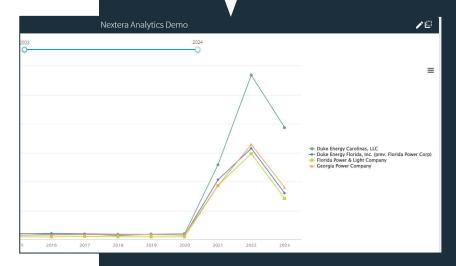


Data Collection Future

XBRL

- XBRL: eXtensible Business
 Reporting Language
- XBRL is a data standard that defines how financial data is reported
- XBRL data is machine-readable
- FERC, SEC, and FDIC all use XBRL

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Benefits of XBRL

A new standard for Utility Financial Data

Decreased Processing Time

 FERC predicted a decrease of 238,878 hours in filing forms by all its filers per year

Improved Accuracy

 FDIC saw 100% of data met mathematical validation requirements compared to 70% in their legacy system

Improved Transparency

 State of Michigan mandated an XBRL study for municipal financials after successful implementation in Flint, Michigan.



FERC Forms

Forms that are in XBRL format

Form 1

• Electric quarterly/annual report

Form 2

• Gas quarterly/annual report

Form 6

Oil Pipelines

Multiple more

• 714, EQR (in the near future)



Walk through a Form 1



FERC Forms

How to access XBRL Forms

Go to Submission History

https://ecollection.ferc.gov/submissionHistory

Search for and Select Filing

Utility, Form, Year, Period

Download XBRL File

 Click XBRL File under Submission Files on the specific filing page



Benefits of FERC Data for Consumer Advoates







Entirety of Utility Savings



Deeper Scrutiny

State annual reports are limited to utilities within that jurisdiction, whereas FERC data allows comparison across the country.

Many utilities operate in multiple states, meaning to have a view of the entire organization requires FERC data to do comparisons

Reduce time wasted on copying and pasting data, combing through documents, and manually analyzing vast amounts of information. FERC's XBRL format allows much of this to be automated

Automation of reports allows for more scrutiny of the numbers, leading to savings to ratepayers and a more thorough record for decision making.

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HData's BI Tools

