

Resume and Project Experience

Eric Fox

**Director, Forecast Solutions
Itron, Inc.**

Education

- M.A. in Economics, San Diego State University, 1984
- B.A. in Economics, San Diego State University, 1981

Employment History

- Director, Forecasting Solutions, Itron, Inc. 2002 - present
- Vice President, Regional Economic Research, Inc. (now part of Itron, Inc.), 1999 – 2002
- Project Manager, Regional Economic Research, Inc., 1994 – 1999
- New England Electric Service Power Company, 1990 – 1994
Positions Held:
 - Principal Rate Analyst, Rates
 - Coordinator, Load Research
 - Senior Analyst, Forecasting
- Senior Economist, Regional Economic Research, Inc., 1987 – 1990
- San Diego Gas & Electric, 1984 – 1987
Positions Held:
 - Senior Analyst, Rate Department
 - Analyst, Forecasting and Evaluation Department
- Instructor, Economics Department, San Diego State University, 1985 – 1986

Experience

Mr. Eric Fox is Director, Forecasting Solutions with Itron where he directs electric and gas analytics and forecasting projects and manages Itron's Boston office. Mr. Fox has over 30 years of forecasting experience with expertise in financial forecasting and analysis, long-term energy and demand forecasting, and load research.

Mr. Fox and his team focus on developing and implementing forecast applications to streamline and support utility business operations. This work includes directing development and implementation of Itron's integrated sales and revenue forecasting application (*ForecastManager.net*) and load research system (*LRS*). He also engages in forecast support work, which includes developing energy and demand forecasts for financial and long-term planning, billed and unbilled sales and revenue analysis, weather normalization for monthly sales variance analysis and rate case support, and analyzing technology and economic trends and their impact on long-term energy usage.

Mr. Fox has provided expert testimony and support in rate and regulatory related issues. This support has included developing forecasts for IRP and rate filings, weather normalizing sales and demand for rate filing cost of service studies, providing rate case support and direct testimony and conducting forecast workshops with regulatory staff. He is one of Itron's primary forecast instructors. He provides forecast training through workshops sponsored by Itron, utility on-site training programs, and workshops held by other utility organizations.

Prior to joining RER/Itron, Mr. Fox supervised the load research group at New England Electric where he oversaw systems development, directed load research programs, and customer load analysis. He also worked in the Rate Department as a Principal Analyst where he was responsible for DSM rate and incentive filings, and related cost studies. The position required providing testimony in regulatory proceedings.

Projects, Reports, and Presentations

Electric Budget Sales and Customer Forecast, Alectra Utilities, with Oleg Moskatov and Brien Rissman, May 2024

Rate Class Load Development with AMI data, Colorado Springs Utilities, with Mike Russo, April 2024

FY 2025 Budget and Revenue Forecast, Green Mountain Power, with Oleg Moskatov, Mike Russo, and Brien Rissman, March 2024

Factors Driving Long-Term Electric Load Demand, A Focus on Vermont, Energy Forecasting Group Conference, New Orleans, March 2024

Forecast Workshop – Advanced Topics, with Mike Russo, Energy Forecasting Group Conference, New Orleans, March 2024

Forecast Model Development and Training, Sacramento Municipal Utility District, December 2023

Gas Sales and Customer Forecast Update, Peoples Gas System (TECo), with Brien Rissman and Oleg Moskatov, November 2023

When Even Y Isn't Known, How Policy Re-Shaping Electric Loads, New York ISO Load Forecasting Task Force, October 2023

Modeling Energy Efficiency, Electrification, and the Inflation Reduction Act, Online presentation with Mike Russo, October 2023

Forecast Fundamentals Workshop, San Diego
Itron Inc, September 2023

Long-Term System Load Forecast, Model Development and Training
Sacramento Municipal Utility District, with Oleg Moskatov, September 2023

Test-Year Sales and Customer Forecast
Peoples Gas System (PGS), with Oleg Moskatov, March 2023

Test-Year Sales and Load Weather Normalization
AES, Indiana, with Michael Russo, June 2023

Vermont Long-Term System and Delivery Point Forecast,
Vermont Electric Company, with Mike Russo and Oleg Moskatov, June 2023

Test-Year Sales Weather Normalization for the Arkansas Electric Rate Case,

The Empire District Electric Company/Liberty Utilities, with Oleg Moskatov, January 2023

Commercial Data Development for Long-Term Forecasting and Electrification Study, NYISO, with Mike Russo, Oleg Moskatov, and Rich Simons, December 2022

Forecast Model Development and Training, ISO New England, with Mike Russo, November 2022

2022 Long-term Residential and Commercial Energy Intensity Trends Presentation, Itron Energy Forecasting Group, with Oleg Moskatov and Mike Russo, September 20th, 2022

2022 Model Review Report and Presentation, PJM, with Michael Russo, Dr. Stuart McMenemy, and Dr. Frank Monforte, September 2022

Modeling Climate Change, Itron Brownbag Presentation, with Mike Russo and Dr. Frank Monforte, July 12, 2022

Forecast Review and Presentation to the SRP Power Committee, Salt River Project, with Mark Quan, April 24, 2022

Cold Climate Heat Pump Study, Nova Scotia Power, July 2022, with Rich Simons

Long-Term Energy and Demand Outlook, Indiana Stakeholder Meeting, AES Indiana, with Mike Russo, January 24, 2022

Long-Term Energy and Demand Forecast, 2022 IRP, AES Indiana, with Mike Russo, December 2021

Delmarva Power & Light, Forecast Review, Delmarva Maryland, with Stuart McMenemy and Mike Russo, December 2021

Forecast Model Review and Recommendations, ISO New England, November 2021

Heat Pump Program Impact Study, Nova Scotia Power, with Rich Simons, August 2021

Sales, Customer, and Revenue Forecast Through 2040, Green Mountain Power Company, with Oleg Moskatov and Mike Russo, April 2021

Reacting to a Changing Environment: Trends in Estimated Load Impacts of COVID-19 Mitigation Policies, submitted to National Association of Regulatory Utility Commissioners, March 2021, with Frank Monforte, Ph.D.

Accounting for COVID-19 in the Sales Forecast, March 2021, Itron Brownbag Presentation, with Andy Sukenik, and Mike Russo

Long-Term Data Center Demand Analysis and Forecast, Salt River Project, March 2021,
with Mike Russo

Temperature Trend Study, Puget Sound Energy, November 2020, with Rich Simons

Vermont Long-Term Energy and Demand Forecast, Vermont Electric Power Company,
October 2020, with Oleg Moskatov and Mike Russo

IRP Forecast Support and Data Center Forecast, Dominion Energy, September 2020

Long-Term Temperature Trend Analysis and Workshop, NV Energy, August 2020, with
Rich Simons

Sales and Revenue Forecast for 2020 Rate Case, with Mike Russo, Hydro Ottawa,
March 2020

New York ISO Climate Impact Study: Phase 1 Long-Term Load Impact, New York ISO,
December 2019, with Rich Simons, Oleg Moskatov, and Mike Russo

Cold Climate Heat Pump Study, Sample Design, December 2019, with Rich Simons, Nova
Scotia Power

Long-Term Energy and Demand Forecast, 2020 IRP, October 2019, with Mike Russo,
Vectren (A CenterPoint Energy Company)

Fundamentals of Forecasting Workshop, October 2019, Washington DC

*Development of Energy Efficiency Conservation Curves for Long-Term System Load
Model*, ISO New England, September 2019 with Mike Russo

Test-Year Weather Normalization and Filed Testimony, July 2019, with Oleg Moskotov,
Liberty Utilities

Advanced Forecast Topics Workshop, Energy Forecasting Group 2019 Annual Meeting,
April 2, 2019, Boston NA

Long-Term Forecast Development and Modeling Workshop. Salt River Project, Tempe
Arizona, March 26-27, 2019

Sales and Revenue Forecast for 2019 Rate Filing, with Oleg Moskatov and Mike Russo,
Green Mountain Power Company, March 2019

Modeling Long-Term Peak Demand - Forecasting Workshop. ISO New England,
December 19, 2018

Testimony and Supporting Sales Weather-Normalization for the 2018 Kansas Rate Case. Empire District Electric/Liberty Utilities, November 2018.

Load Research Training – Methods, Design, and LRS Applications. Colorado Springs Utilities. November 29-30, 2018

2018 Benchmark Survey – Energy Trends, Projections, and Methods. Electric Utility Forecaster Forum, November 13-14, 2018. Orlando, Florida

Forecasting Methods, Model Development, and Training. WEC Energy Group, Milwaukee WI, September 20 -21, 2018.

Development of Budget Sales and Customer Forecast Models, Report, and Forecast Training. Alectra Utilities, July 2018

Electricity Forecasting in a Dynamic Market. Presentation and Panel Participant, Organization of MISO States, Forecast Workshop & Spring Seminar, Des Moines Iowa, March 21 -23, 2018.

Load Research Methods and Results, IPL and Indiana Office of Utility Consumer Counselor (OUCC), March 12, 2018

Sales Weather Normalization to Support the IPL 2018 Rate Case, with Richard Simons, Indianapolis Power & Light, December 2017

Dominion Long-Term Electricity Demand Forecast Review. Dominion Energy Virginia, September 15, 2017.

Dominion Long-Term Electricity Demand Forecast Review. Dominion Energy Virginia, September 15, 2017.

Vermont Long-Term Energy and Demand Forecast, with Mike Russo and Oleg Moskatov, Presented to the Vermont State Forecast Committee, August 1, 2017

Utility Forecasting Trends and Approaches, with Rich Simons and Mike Russo, Presented to the Energy Information Administration, July 27, 2017

Sales and Revenue Forecast Delivery and Presentation, with Mike Russo, Indianapolis Power & Light, July 13, 2017

Forecasting Gas Demand When GDP No Longer Works, Southern Gas Association Gas Forecasters Forum, June 13 to 17, Ft Lauderdale, Florida

Behind the Meter Solar Forecasting, with Rudy Bombien, Duke Energy, Electric Utility Forecaster Forum, May 3 to 5, 2017, Orlando, Florida

Advanced Forecast Training Workshop, with Mike Russo, EFG Meeting, Chicago Illinois, April 25th, 2017

Budget-Year Electric Sales, Customer, and Revenue Forecast, with Oleg Moskatov and Mike Russo, Green Mountain Power Company, March 2017

Solar Load Modeling, Statistic Analysis, and Software Training, Duke Energy, March 1 to 3, 2017

Development of a Multi-Jurisdictional Electric Sales and Demand Forecast Application, with Mike Russo and Rich Simons, Wabash Valley Power Cooperative, January 2017,

Regulatory Experience

August 2023: Presented Indiana AES Test-Year Weather Normalization and Load Development Method and Results to the Indiana Office of Utility Consumer Counselor (OUCC)

June 2023: Provided testimony and supporting test-year normalized sales and rate class hourly loads for the 2023 AES Indiana general rate case.

March 2023: Provided testimony, report, and documentation supporting the 2024 test-year forecast for People's Gas System 2023 general rate case.

January 2023: Provided testimony and documentation supporting the Empire District Electric Company/Liberty Utilities, Arkansas electric general rate case.

June 2022: Provided testimony and supporting sales and weather-normalization for the 2022 Sierra Pacific Power Company (NV Energy) general rate case.

February 2022: Provided testimony and supporting sales and weather-normalization for the 2022 Oklahoma rate case. Empire District Electric/Liberty Utilities.

May 2021: Provided testimony and supporting sales and weather-normalization for the 2021 Missouri rate case. Empire District Electric/Liberty Utilities.

June 2020: Provided testimony and supporting analysis of weather trends and analysis as part of Nevada Power's 2020 general rate review.

- July 2019: Provided testimony and supporting sales and weather-normalization for the 2020 Missouri rate case. Empire District Electric/Liberty Utilities.
- November 2018: Provided testimony and supporting sales weather-normalization for the 2018 Kansas rate case. Empire District Electric/Liberty Utilities.
- December 2017: Provided testimony and support related to sales weather-normalization for the 2018 rate case. Indianapolis Power & Light.
- October 2017: Provided testimony and support for the Dominion Energy Virginia 2017 Integrated Resource Plan
- Jan 2015 – Dec 2016: Assisted Power Stream with developing and supporting the 2015 rate case sales and customer forecast before the Ontario Energy Board
- Jan 2015 – Dec 2016: Assisted Hydro Ottawa with developing and supporting the 2015 rate case sales and customer forecast before the Ontario Energy Board
- September 2015: Provided testimony and support related to sales weather-normalization for the 2015 rate case. Indianapolis Power & Light
- October 2014 – July 2015: Assisted Entergy Arkansas with developing and supporting weather adjusted sales and demand estimates for the 2015 rate case.
- September 2014: Assisted with developing the budget sales and revenue forecast and provided regulatory support related Horizon Utilities 2014 rate filing before the Ontario Energy Board
- August 2013: Reviewed and provided testimony supporting Sierra Pacific Power Company's forecast for the 2013 Energy Supply Plan before the Nevada Public Utilities Commission
- July 2013: Reviewed and provided testimony supporting Tampa Electric's forecast for the 2013 rate case before the Florida Public Service Commission
- March 2013: Reviewed and provided testimony supporting Entergy Arkansas sales weather normalization for the 2013 rate filing before the Arkansas Public Service Commission
- June 2012: Reviewed and provided testimony supporting Nevada Power Company's 2012 Long-Term Energy and Demand Forecast before the Nevada Public Utilities Commission
- May 2010: Provided testimony supporting Sierra Pacific Power's Company's 2010 Long-Term Energy and Demand Forecast before the Nevada Public Utilities Commission

March 2010: Assisted with development of the IRP forecast and provided testimony supporting Nevada Power Company's 2010 Long-Term Energy and Demand Forecast before the Nevada Public Utilities Commission

August 2009: Reviewed Entergy Arkansas weather normalization and provided supporting testimony before the Arkansas Public Service Commission

February 2006: Developed long-term forecast and provided testimony to support Orlando Utilities Commission *Need for Power Application* before the Florida Public Service Commission

July 2005: Developed sales and customer forecast and provided testimony to support Central Hudson's electric rate filing before the New York Public Service Commission

April 2004: Held Weather Normalization Workshop with the Missouri Public Service Commission Staff

July 2001: Conducted workshop on long-term forecasting with the Colorado Public Utilities Commission Staff