



Suman Gautam, Ph.D.

Economist and Senior Consultant

Suman works with clients on commercial, regulatory, and policy-focused projects in both wholesale and retail energy markets. He applies microeconomic and econometric analysis to market design, pricing, supply and demand forecasting, and policy evaluation. He has examined the economic impacts of energy policy, investments, and energy cost and price changes.

INDUSTRY EXPERIENCE

Daymark Energy Advisors | www.daymarkea.com | Worcester, MA

Daymark Energy Advisors is a consultancy that provides management and investment advisory services, supported by the highest quality analytics, to the North American electricity and natural gas industries.

Economist and Senior Consultant | 2016–Present

Consulting practice includes:

- Cost-benefit analysis, economic impact, and policy evaluation
- Financial evaluation of energy assets
- Market integration and optimization of energy storage resources
- Grid modernization, including valuing peak load reduction and infrastructure deployments like advanced metering infrastructure
- Utility analytics use cases including load forecasting, price forecasting, integrating utility data with third-party data, customer segmentation analysis, billing analysis, and evaluation of demand side management programs

DNV GL | Burlington, MA

Energy Consultant, Policy Advisory and Research | 2014–2016

Consulting practice included:

- Program design and evaluation of energy efficiency programs
- Utility data management using Extract, Load, Transform (ETL) process

TEACHING EXPERIENCE

UMass Lowell, Economics Department | www.uml.edu/FAHSS/economics | Lowell, MA

Adjunct Faculty | 2019–Present

- *Econ.2120 Statistics II for Business and Economics* | Focus: discussion of statistical methods such as probability distribution, hypothesis testing, and regression analysis and their applications in economic and business decision making.

PAPERS, TESTIMONY, PRESENTATION & INDUSTRY ASSOCIATIONS

Working Papers

- *Analysis of Electricity Demand and Price patterns of the United States Electricity Sector.*
- *The Effectiveness of Renewable Portfolio Standards in reducing Carbon Emissions in the US Electricity Markets.*
- Gautam S., Davis, A., R. Crowley, R. Hastings, and W. Brougher (2016). *Beyond participation and savings leveraging quantitative metrics for insight into C&I project and population trends.* 2016 ACEEE Summer Study on Energy Efficiency in Building. [Link.](#)
- Gautam, S. and S. Blumsack (2015). *Residential Customers Response to Critical Peak Events of Electricity: Green Mountain Power Experience.* 2015 IEPEC Conference. [Link.](#)

Expert Testimony

FORUM	ON BEHALF OF	MATTER
Manitoba Public Utilities Board	Independent Expert Consultant	Testimony to provide expert opinion of Manitoba Hydro load forecast methods and its comparison with industry practices. Manitoba Hydro 2017/18 and 2018/19 General Rate Application. January 2018.

Conference & Seminar Presentations

- *UMass Lowell Economics Department Seminar, Lowell, Massachusetts, 2018.*
- *35th US Association Energy Economics, Houston, Texas, 2017.*
- *International Symposium on Forecasting, Santander, Spain, 2016.*
- *International Energy Program Evaluation Conference, Long Beach, California, 2015.*
- *37th International Association for Energy Economics, New York, New York, 2014.*
- *American Economic Association Annual Meeting, Philadelphia, Pennsylvania, 2014.*
- *83rd Southern Economic Association Conference, Tampa, Florida, 2013.*
- *Energy Environmental Economics and Policy Seminar, Penn State, State College, Pennsylvania, 2013.*
- *32nd US Association Energy Economics Conference, Anchorage, Alaska, 2013.*
- *Energy & Mineral Energy Engineering Colloquium, Penn State, State College, Pennsylvania, 2012.*
- *82nd Southern Economic Association Conference, New Orleans, Louisiana, 2012.*
- *31st US Association Energy Economics Conference, Austin, Texas, 2012.*

Industry Associations

International Association for Energy Economics | www.iaee.org | Cleveland, OH

The International Association for Energy Economics was founded in 1977 in response to the 70's energy crisis. We are a worldwide non-profit professional organization based in the United States, which has members in over 100 nations, who strive to provide an interdisciplinary forum for the exchange of ideas, experience and issues among professionals interested in energy economics. We actively seek those who are interested in energy economics and those who shape opinions and prepare for events which effect the energy industry.

- Member | 2011–Present

Association of Environmental and Resource Economics | www.aere.org | Altamonte Springs, FL

AERE was founded in 1979 as a means for exchanging ideas, stimulating research, and promoting graduate training in environmental and resource economics. AERE currently has over 1,000 members from more than thirty nations, coming from academic institutions, the public sector, and private industry.

- Member | 2012–Present

American Economic Association | www.aeaweb.org | Nashville, TN & Pittsburg, PA

Established in 1885, the AEA is a non-profit, non-partisan, scholarly association dedicated to the discussion and publication of economics research.

- Member | 2012–Present

EDUCATION

Ph.D. Energy Economics | The Pennsylvania State University, State College, PA | 2014

M.S. Energy Economics | The Pennsylvania State University, State College, PA | 2012

B.A. Physics and Economics | Illinois Wesleyan University, Bloomington, IL | 2010