Divita Bhandari, Senior Associate

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PROFESSIONAL EXPERIENCE

Synapse Energy Economics, Inc., Cambridge, MA. *Senior Associate,* May 2018 - present.

Provides consulting and researching services, writes reports and testimony and performs modeling on a wide range of issues related to the electric industry with a focus on grid infrastructure issues, resource planning, DER policy, energy efficiency and electricity markets.

DNV GL, Boston, MA. *Senior Energy Analyst*, July 2014 - April 2018.

- Quantified energy saving impacts associated with energy efficiency and demand response programs.
- Developed regression models using electric and gas consumption data to evaluate key programs such as home energy reports, in-home energy assessments, and strategic energy management.
- Analyzed AMI data to evaluate peak load shaved through the control of residential air conditioners.
- Developed a model for prediction of LED lamp prices utilizing retail lamp inventory data. Created an excel based dashboard to present the forecasted prices based on a selection of lamp attributes.

Yale School of Forestry and Environmental Studies, New Haven, CT. *Graduate Research Assistant*, September 2013 - July 2014.

Developed Spatial Analysis algorithms utilizing R and GIS to derive county specific solar radiation values based on interpolation of weather station data in California.

Climate Policy Initiative, Hyderabad, India. *Research Analyst,* May 2013 - July 2013.

Analyzed the design and implementation of an energy efficiency certificate trading scheme implemented by the Bureau of Energy Efficiency and assessed the impact and cost effectiveness of the policy.

Natural Resources Defense Council, New Haven, CT. *Graduate Student Consultant,* September - December 2013.

Assisted in developing case studies and factsheets for NRDC's India Initiative to showcase emergence of energy efficient practices within India's real estate market with the goal of incentivizing stakeholder investment in energy efficiency.

General Electric, Houston, TX. *Electrical Application Engineer,* May 2009 - April 2012.

Lead technical interface to global gas turbine clients. Lead a team of engineers to respond to customer RFPs and provide cost quotations. Recommended gas turbine design improvements to achieve compatibility with international codes, emission regulations, and electric grid codes in various countries.

General Electric, Various, *Edison Engineering Development Program,* June 2007 - April 2009.

- Built MATLAB algorithms to model impact of seasonal variation and blade types on performance of wind turbines and recommended anemometer design improvements through analysis of real time wind data.
- Developed solutions for providing cost-effective performance warranty tests to wind energy customers in accordance with IEC standards.
- Developed design improvements to increase efficiency in solar power converters for implementation across entire product line.

EDUCATION

Yale University School of Forestry and Environmental Studies, New Haven, CT
Master of Environmental Management; Specialization in Energy and the Environment, 2014
Awards: Coca Cola World Fund Fellow, Berkeley Conservation Scholar, Carpenter-Sperry Fund

Georgia Institute of Technology, Atlanta, GA
Master of Science in Electrical Engineering, Electric Power Systems, 2010
Bachelor of Science in Electrical Engineering, 2006
Awards: Recipient of GE, TI, and IBM Scholarships

PUBLICATIONS

Whited, M., J. Kallay, D. Bhandari, B. Havumaki. 2018. *Driving Transportation Electrification Forward in Pennsylvania: Considerations for Effective Transportation Electrification Ratemaking*. Synapse Energy Economics for Natural Resources Defense Council.

Ackerman, F., S. Fields, A. Napoleon, D. Bhandari. 2018. *Can Clean Energy Replace California Oil Production? Petroleum cutbacks and the California economy*. Report by Synapse Energy Economics.

SKILLS

Proficient in MATLAB, R, SAS, and ArcGIS

Resume dated October 2018