William Supple
Senior Consultant

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Professional Summary

William Supple is a Managing Consultant in the Energy practice at Navigant. William has experience in energy efficiency and conservation program design, benefit-cost analysis, potential study analysis, energy efficiency program evaluation, grid modernization investment modeling, and custom utility research and reporting. William's expertise is in data analytics, cost-effectiveness analysis, system dynamics and optimization, and custom economic model development. These skills, complimented by his outstanding academic qualifications in economics, energy engineering and energy management, have enabled William to become a successful leader in program and cost-effectiveness modelling on a variety of projects core to utility energy efficiency and business activities.

Areas of Expertise

- **DSM Program Design & Regulatory Support**: Assisting electric utilities with residential, commercial, and industrial energy efficiency and demand response program design and benefit-cost analysis.

- **EE Potential Study Analysis**: Forecasting energy efficiency measure technical, economic, and achievable savings potential across a utility service territory.

- **DSM Evaluation, Measurement &** Verification: Conducting independent third party evaluations of DSM program savings, costs, and processes to validate reported savings and identify process improvements.

Professional Experience

DSM Program Design & Regulatory Support

- *National Grid MA & RI 2019-2021 Potential Studies.* William was a member of the potential study modeling team developing custom calculations and model outputs for National Grid MA's 2019-2021 potential study. Subsequently, William was the lead modeler for the National Grid RI 2019-2021 potential study which heavily leveraged the Rhode Island updated BCA framework to determine achievable potential. William studied and replicated the updated BCA framework in Navigant's potential study model and delivered updated results to inform RI specific potential. (2017-2019)

- *PECO, 2016-2020 Electric Efficiency Portfolio Plan Development and Continued Improvement.* Utilizing the ProCESS model, assisted in the design and development of PECO's phase III portfolio of energy efficiency and demand response programs for Act 129 compliance. Conducted extensive measure characterization in both the residential and commercial sector for measures feeding into the plan model. Managed Public Utility Commission required table outputs and metrics from the model to ensure compliance.

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Continued support developing ad hoc model result analysis for client and stakeholder interrogatories and continuous improvement of design. (2015-Present)

- *EEA 2019-2021 Program Design.* Led the ProCESS model program design for EEA's 2019-2021 Portfolio. Coordinated inputs sourced from potential model results, successfully linking results between related EEA studies. Worked with client to develop comprehensive and cost-effective programs to expand EE-DSM offerings. Customized model logic and algorithms to meet specific client and regulatory needs, including the addition of a novel emissions reduction cost test. (2018)

- *Washington Gas, 2018-2020 Gas EE Portfolio Development.* Led Excel-based portfolio cost effectiveness model development. Updated benefit-cost model to comply with Maryland specific inputs and managed the uploading of measure characterizations. Aided in the formulation of Washington Gas' suite of program offerings reaching yearly savings targets at the desired budgets while maintaining a positive program and portfolio TRC. (2016-2018)

- AEP Ohio, 2017-2019 EE & PDR Plan Design. Led the residential measure characterization effort and ensured product quality for import in the ELRAM potential study/plan design model. Coordinated with the rest of the modelling team to QC benefit-cost outputs and adjust global economic inputs to represent AEP Ohio's service territory. Managed plan table development and responded to interrogatories from regulators and other stakeholders. (2016)

- EE Potential Study Analysis. William has played an integral role on potential study teams for ENS, PSE, Xcel Energy, National Grid, AEP Ohio, and ConEd. William has developed measure characterizations for the residential and commercial sectors as well as led modelling of technical, economic, and achievable market potential.

- EE/DR Evaluation Measurement & Verification (EM&V). William is experienced in leading utility EM&V cost-effectiveness analyses. William has coordinated inputs, customized modelling tools, and managed cost-effectiveness regulatory reporting for PECO, KCP&L, and Washington Gas. William has also aided in impact and process evaluation activities for a variety of clients and efficiency program types.

Work History

- Managing Consultant, Guidehouse Inc.
- Clean Energy Market Analyst, North Carolina Sustainable Energy Association
- Institute Fellow, Green Plus Institute for Sustainable Development
- Environmental Scientist, Environmental Compliance Services, Inc.

Education

- Master of Environmental Management, Energy and Environment, Duke University
- Bachelor of Arts, Environmental Science, Biology, Geology, Colby College