



JOHN CORNWELL

Senior Analyst

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PROFILE

John Cornwell is a Senior Analyst specializing in impact and process evaluations of energy efficiency programs nationwide. Mr. Cornwell's recent work includes conducting research into innovative new billing analysis methods that take advantage of advanced metering infrastructure, developing a market transformation model for the Northwest gas fireplace market and assisting with process evaluations of the Northwest Energy Efficiency Alliance Hospital and Healthcare Initiative and Energy Trust of Oregon's New Homes program. Other project experience includes low income program evaluation, developing survey materials and interview guides, conducting in-depth interviews with stakeholders, statistical analysis of energy savings, econometric modeling, sample design, complex data collection and independent review of energy efficient program evaluations. Mr. Cornwell also brings strong project management and analysis skills from a variety of work experiences including seven years of experience as a Senior Operations Coordinator with the world's largest medical assistance company International SOS and four years of experience as Operations Manager with a boutique fund manager. Mr. Cornwell is experienced with a variety of econometrics software packages including SPSS, Eviews, Matlab, Minitab, LIMDEP and Systat.

EDUCATION

B.A., Economics, Minor in Politics, cum laude, Willamette University, Salem, Oregon

INDUSTRY EXPERIENCE

- **Southern California Edison, Advanced Metering Infrastructure Billing Regression Study** - Leading analysis and research of innovative new billing regression techniques that take advantage of billing data from advanced metering infrastructure.
- **Pacific Gas and Electric Company Emerging Technologies Program, Controls Embedded LED Replacement Lamps Technology Assessment** - Assisting with a current study by developing a novel approach to collecting lighting usage data that will support an assessment of behavior changes induced by the wireless controllability of residents' lighting.
- **California Public Utilities Commission (CPUC) Integrated Demand Side Management Assessment** - Conducting data collection and analysis to assess the impact of integrated projects and pilots as well as identifying segment drivers and barriers related to an online integrated toolkit for the CPUC.
- **Southern California Edison and Pacific Gas and Electric Company Midstream Lighting Trial Evaluations** - Led sales data analysis and conducted in-depth interviews to assess the impact of commercial sector midstream rebate LED trial programs.
- **State of Alaska Department of Health and Social Services Medicaid Forecasts** - Preparing short and long-term forecasts of Alaska Medicaid spending. Developing training materials for forecasting software for DHSS personnel.

- **Energy Trust of Oregon Gas Fireplace Market Transformation Study** – Led research tasks and analysis to develop a market transformation model for Energy Trust of Oregon’s gas fireplace incentive program.
- **Oregon Department of State Lands Elliott Forest Alternatives Project** – Conducted research on carbon markets and carbon pricing to support a study describing a range of feasible business models for management of state-owned forest land.
- **Northwest Energy Efficiency Alliance Next Step Homes Baseline Study** – Conducted in-depth interviews, market research and data analysis in support of a baseline development study.
- **California Utilities Low-Income Energy Efficiency Program Evaluation** – Led analysis on process and impact evaluation of weatherization and energy efficiency program for low-income residents.
- **Energy Trust of Oregon New Homes Process Evaluation** – Assisted with a process evaluation of a residential new construction program. Tasks included conducting in-depth interviews with homebuilders and conducting data analysis on Accessory Dwelling Units.
- **Hawaii Energy Conservation and Efficiency Programs Evaluation** – Assisted with collection and analysis of residential and commercial building stock in Hawaii.
- **State of Hawaii Process and Impact Evaluation** – Conducted billing regression analysis as part of an impact evaluation to estimate the savings resulting from the Opower program in Hawaii.
- **Bonneville Power Administration Performance Tested Comfort System Impact Evaluation** – Provided research and data analysis assistance for impact evaluation of the regional PTCS program.
- **Massachusetts Three Year Cross Cutting Behavioral Program Evaluation** - Conducted billing regression analysis in support of an impact evaluation of the Opower program in Massachusetts.
- **Northwest Energy Efficiency Alliance Hospital and Healthcare Initiative Evaluation** – Assisted with initiative evaluation including review of ACE model, market characterization and conducting in-depth interviews with participants and market actors.
- **Public Utilities Commission of Ohio (PUCO)** – Analyzed participation data and reviewed evaluation reports to verify annual energy savings claims by Ohio utilities as part of Evergreen’s role as Independent Evaluator for the State of Ohio.
- **Oregon Department of Energy and Oregon Public Utilities Commission** – Assisted with data collection and analysis for biennial reports documenting spending of public purpose funds on energy efficiency and renewable energy projects.
- **Black Hills Energy New Construction Program Evaluation** – Conducted in-depth interviews with participating building owners and market actors in support of evaluation activities.
- **US DOE Better Buildings Program Impact Evaluation** – Assisted with data collection from the regional partners and with in-depth interviews with program managers in the Better Buildings program. Data was used to estimate energy savings and economic impacts resulting from the programs nationwide.

- **State of Montana Public Services Commission Application Assessment** – Assisted with an assessment of Northwest Energy’s application to purchase hydroelectric generating facilities in Montana.
- **Ameren Missouri, Low Income Program Evaluation** - Conducted billing regression analysis and cost effectiveness analysis as part of an impact evaluation of a low income energy efficiency program.
- **Southern California Edison, Utility Internal Measure Development Process Evaluation** – Conducted in-depth interviews with utility staff to document new measure development processes at six California utilities.

SELECTED PUBLICATIONS AND PRESENTATIONS

- Cornwell, J., Thompson, M., Fischlein, M., Yin, C., 2015, “Filling the Measure Pipeline: An Examination of Six Utilities’ Emerging Technology Measure Development Processes”. *International Energy Program Evaluation Conference (IEPEC)*, Long Beach, CA.
- Cornwell, J., Grover, S., 2015, “Is More Always Better? A Comparison of Billing Regression Results Using Monthly, Daily and Hourly AMI Data”, *International Energy Program Evaluation Conference (IEPEC)*, Long Beach, CA
- Grover, S., Cornwell, J., Yaillen, J., Dickerson, C., Flanagan, J., Sakuda, S., 2013, “Opower, Where Art Thou? Savings Estimates From a Pilot Program”, *International Energy Program Evaluation Conference (IEPEC)*, Chicago, IL.