



JOHN BOROSKI

Senior Consultant

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PROFILE

John Boroski is a project manager and economist in the energy practice area. He specializes in the evaluation of energy efficiency programs for the residential and nonresidential sectors, and his recent work has included impact evaluations, process evaluations, market studies, best practices research, survey design, database management, in-depth interviews and developing logic models and program theories. Mr. Boroski has managed numerous evaluation studies for a range of clients including the Northwest Energy Efficiency Alliance (NEEA), Energy Trust of Oregon, Northeast Energy Efficiency Partnerships (NEEP), the California Investor-Owned Utilities, Xcel Energy and Black Hills Energy. Prior to joining Evergreen Economics, Mr. Boroski specialized in transportation planning for road and transit projects and has expertise in benefit/cost analysis, project evaluation, policy and best practice research, and geographic information systems (GIS).

EDUCATION

Master of Urban and Regional Planning, Portland State University

B.A. Economics, University of Notre Dame

INDUSTRY EXPERIENCE

- **Northeast Energy Efficiency Partnerships (NEEP) Early Replacement Measures Research** – Conducted Phase I and II studies that document early replacement (i.e., retrofit) program design elements (e.g., remaining useful life and incremental cost calculations) for multiple utilities, analyze customer motivations for early equipment replacements (from a phone survey) and present recommendations for improved program implementation.
- **Southern California Edison Study of the California Utility Internal Measure Development Process** – Researched how the four California Investor-Owned Utilities, along with Sacramento Municipal Utility District (SMUD) and Los Angeles Department of Water and Power (LADWP), develop and approve new energy efficiency and demand response measure for all customer sectors.
- **Northwest Energy Efficiency Alliance Heat Pump Water Heater (HPWH) Initiative Market Progress Evaluation Report #1** – Evergreen conducted the first Market Progress Evaluation Report for the Northwest Energy Efficiency Alliance’s Heat Pump Water Heater Initiative. Mr. Boroski assisted in project management and conducted in-depth interviews with NEEA’s partner utilities.
- **Energy Trust of Oregon New Buildings Program Process Evaluation** – Conducted a process evaluation of the New (Commercial) Buildings Program, to potentially improve program design, participation processes and program effectiveness (subcontractor to PWP).
- **Northwest Energy Efficiency Alliance Hospitals and Healthcare Initiative Process Evaluations** - Conducted multiple evaluations of the Hospitals and Healthcare Strategic

Energy Management (SEM) Initiative to document market transformation status and inform NEEA's integrated SEM planning.

- **Northwest Energy Efficiency Alliance New Homes Programs** - Developed current and future baseline estimations for a new type of highly energy efficient home - the Next Step Home - to inform NEEA's initiative planning.
- **Energy Trust of Oregon New Homes Program and EPS Process Evaluation** - Conducted a process evaluation of the New Homes Program and Energy Performance Score (EPS) brand for efficiently built single-family homes.
- **Northwest Energy Efficiency Alliance Northwest Ductless Heat Pump Initiative** - Conducted multiple process evaluations of the Northwest Ductless Heat Pump Initiative.
- **Black Hills Energy Residential New Construction Programs** - Conducted process evaluations of the Residential New Construction Programs in Colorado and Iowa (subcontractor to Tetra Tech).
- **California Public Utilities Commission 2010-2012 Local Government Partnership Programs** - Conducted best practices research on multiple Local Government Partnership programs focusing on non-residential program elements.
- **Xcel Energy Industrial Process Efficiency Program** - Conducted a process evaluation of the Industrial Process Efficiency Program in Minnesota (subcontractor to Tetra Tech).
- **San Diego Gas & Electric Company and Southern California Gas Company Non-Residential Efficiency Programs** - Completed process evaluations of the SDG&E and SoCalGas non-residential deemed measures efficiency programs (subcontractor to HMG).
- **United Illuminating and Connecticut Light & Power Business Sustainability Challenge Program** - Conducted case study research on industrial companies that participated in the Business Sustainability Challenge Program (subcontractor to Michaels Energy).
- **Xcel Energy Colorado and Minnesota Motors and Drives Programs** - Conducted process evaluations of the Colorado and Minnesota Motors and Drives Programs (subcontractor to Tetra Tech).
- **Northwest Energy Efficiency Alliance Northwest ENERGY STAR Homes Program** - Conducted multiple market characterizations and process evaluations of the Northwest ENERGY STAR Homes Program.
- **Northwest Energy Efficiency Alliance New Construction Initiatives** - Interviewed multiple residential and commercial development experts throughout the Northwest to identify emerging construction and consumer demand patterns and solicit expectations regarding future state building code changes.
- **Northeast Energy Efficiency Partnerships (NEEP) Regional EM&V Forum** - Conducted an evaluation of the Regional EM&V Forum to inform strategic planning for the Forum's forthcoming 3-year planning cycle.
- **Oregon Department of Energy and Oregon Public Utilities Commission** - Prepared multiple biennial reports documenting spending of public purpose funds on energy efficiency and renewable energy projects, and the energy savings attributable to these projects.

- **Northwest Energy Efficiency Alliance Lighting Market Study** - Conducted a lighting market tracking study to assess continuing impacts from NEEA's previous initiatives.
- **Northwest Energy Efficiency Alliance High Efficiency Televisions Initiative** - Conducted a baseline market study to assess the impacts of NEEA's High Efficiency Televisions Initiative.
- **Southern California Edison and California Public Utilities Commission Process and Impact Evaluations for Water Conservation** - Conducted process and impact evaluations of multiple pilot programs designed to conserve water and thereby produce embedded energy savings.
- **Hawaii Public Utilities Commission Energy Efficiency Programs** - Developed logic models and program theories for multiple residential and commercial conservation programs.
- **Southern California Edison Home Energy Efficiency Survey (HEES) Program** - Conducted a process evaluation of the Home Energy Efficiency Survey (HEES) program.
- **Northwest Energy Efficiency Alliance BetterBricks Initiative** - Conducted an impact assessment of the Portland Office Energy Showdown contest for the BetterBricks Initiative.
- **California Public Utilities Commission Government Partnership Programs Impact Evaluations** - Conducted impact evaluations of multiple government partnership programs for the 2006-2008 program cycle.
- **New York State Energy Research and Development Authority (NYSERDA)** - Developed logic models, program theory and research issues for low-income and R&D energy efficiency programs and portfolios.
- **Sempra Utilities Process Evaluations for San Diego Gas & Electric Company and Southern California Gas Company** - Conducted a process evaluation of all 2006-2008 SDG&E and SoCal Gas residential efficiency programs.
- **Citizens Utility Board of Oregon** - Estimated the economic benefits to Oregon from implementing the SB 838 Renewable Energy Standard.
- **National Renewable Energy Laboratory (NREL) Solar America Initiative** - Estimated the energy, economic and environmental benefits of the Solar America Initiative.
- **Oregon Department of Energy 2006 Oregon Energy Tax Credit Programs** - Estimated the economic impacts of 2006 Oregon Energy Tax Credit Programs (BETC and RETC).
- **Southern California Edison Non-residential Hard-to-Reach Program** - Conducted an impact evaluation of 2004-05 Non-residential Hard-to-Reach Program.
- **Oregon Department of Energy Business Energy Tax Credit Study** - Developed a strategic plan for the Business Energy Tax Credit Pass-through option.
- **Kittitas County, Washington Wind Energy Farm Economic Evaluation** - For a local economic development group, analyzed the potential economic benefits and effects on property values of a large wind energy farm in Kittitas County, WA.
- **Southern California Edison Statewide Emerging Technologies Program** - Conducted an evaluation of the Statewide Emerging Technologies Program that conducts technology assessments for new technologies and provides information to other conservation programs regarding equipment performance.

- **Northwest Energy Efficiency Alliance BetterBricks Program** - Conducted in-depth interviews with Pacific Northwest mechanical engineering firms to identify current design trends in support of the BetterBricks program.
- **Pacific Gas and Electric Local Government Partnership Programs** - Conducted a process and impacts evaluation of seven local government energy conservation programs operating in partnership with local governments.
- **KEMA's California Energy Efficiency Loan Program** - Documented lender experience with and perceptions of energy efficiency loan buy-down programs.

SELECTED PUBLICATIONS AND PRESENTATIONS

- Boroski, J., 2015, "Watch Your Next Step - Continuing Change in the Northwest New Homes Market." *International Energy Program Evaluation Conference*. Long Beach, CA.
- Boroski, J., 2013, "Howdy Partner! Lessons Learned from an Assessment of Local Government Partnerships." *International Energy Program Evaluation Conference*. Chicago, IL.
- Boroski, J., 2010, "Water and Embedded Energy Savings From California's Water Pilot Programs." *2010 WaterSmart Innovations Conference*, Las Vegas, NV.
- Boroski, J., 2007, "Leveraging For-Profit Businesses to Increase Non-Profit Energy Efficiency: Finding's from Oregon's Business Energy Tax Credit Program." *International Energy Program Evaluation Conference*. Chicago, IL.