

# The Occupied Home Rehab under LEED v4

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## ABSTRACT

As Director of Sustainable Housing Services at Steven Winter Associates, Inc., Maureen Mahle has certified thousands of LEED homes. Renovating and certifying her own home should be a piece of cake, right? This case study highlights the lessons learned when those who certify actually GET CERTIFIED. Maureen will describe the 5+ year occupied renovation of this 1915 single family home located in an urban infill setting. She will reveal the most challenging personal decisions for a sustainability “expert,” the triumphs and failures, the pros and cons of the LEED v4 for Homes rating system for rehabs, and the tricks to achieving Platinum certification and staying sane while living in a construction zone. She will also share full utility data over the course of home ownership, pegging each major building systems upgrade to changes in utility consumption. Payback periods for each major upgrade will be presented in terms of dollars, as well as more holistic metrics like tons of carbon.

## BIOGRAPHY

**Maureen McGeary Mahle** is a Senior Vice President and Director of Sustainable Housing Services at Steven Winter Associates, Inc. (SWA), a leading research and consulting firm specializing in energy efficient and sustainable buildings. Maureen has certified over 10,000 green housing units in 10 states under LEED for Homes and other green rating systems. She works to tie human health to energy efficiency and green building, and she has spent the past dozen years training developers, designers, and builders to think holistically and build meticulously.