

Total Cost of Ownership - How to Really Know Your Life Cycle Cost

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ABSTRACT

Over the last 3 years, Erik and his colleagues at APPA Leadership in Facilities, Total Cost of Ownership (TCO) Working Group, have been responsible for the creation of ANSI standards APPA TCO 1000-1 and 1000-2, which describe, comprehensively and for the first time, facilities total cost of ownership. This next generation of life-cycle thinking and execution is looking to revolutionize how facilities professionals and owners of any kind of facilities, buildings or infrastructure, think about the cost of ownership. This new set of standards provides the pathway to rethink economic choices and has the ability to integrate value thinking into anything in the built environment. This presentation will provide examples and real-life applications of these new standards and how they can change the dynamic for more sustainable outcomes in facilities decision making.

BIOGRAPHY

Erik C. Backus is a Member of the APPA Total Cost of Ownership Working Group and Co-Chair of the APPA Facilities Informatics Working Group in addition to being a Professor of Practice and the Howard E. Lechler Endowed Director of the Construction Engineering Management program at Clarkson University. Erik also was the Volunteer Chair of the New York Upstate Community Market Advisory Leadership Board (MLAB) of the US Green Building Council (USGBC) for both 2018 and 2019. As part of the NY Upstate MLAB (covering the entirety of New York State except for Long Island and the immediate area around NYC), Erik lead efforts across the full spectrum of sustainable design, construction and operations, including the use of such products as LEED, inclusive of a signature achievement of LEED Gold Certification for the New York Olympic Region in 2019. At Clarkson, Professor Backus teaches courses and executes research/work in an array of topics related to the built environment. Chief among these topics are sustainability, resilience, and life-cycle thinking of infrastructure and buildings.