

Effectively Managing Building Energy with Measurement

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ABSTRACT

Historically, and in many cases even still today, the only information we use to manage building energy performance is monthly utility bills. While this data can be used in metrics for overall building performance, it is not able to shed light on reasons for higher energy use. More recently, building managers have begun collecting more detailed measured data: with more measurement points, and more often. Analyzing this data in an intelligent way can shed light on certain aspects of our building operations that can be improved upon--saving money that can then be used for further improvements.

This session will cover:

- What types of data we can collect and how to decide what is worthwhile measuring,
- Recent advancements in monitoring hardware and software, and what this means for monitoring in your building,
- What you can learn from the data and how it can make your building management efficient.

BIOGRAPHY

Carina Paton has eight years of global experience working with energy-related data. In addition to assembling and analyzing individual site data, she has conducted various research assignments into energy-related policy, regulation, standards, and programs. Ms. Paton has been involved in building energy monitoring efforts at CDH Energy since moving to New York in 2014. Ms. Paton formerly worked for the Asian Development Bank in the Philippines and Nexant in Bangkok, where she worked on regional renewable energy and energy efficiency initiatives for the development sector. She holds a Master of Philosophy in Environmental Technology from King Mongkut's University of Technology Thonburi in Thailand, and a Bachelor of Science in Physics from the University of Otago in New Zealand.