



# Hawaii Chapter 2020-2021

2<sup>nd</sup> Virtual Membership Meeting  
Thursday, October 8th, 11:00am – 1:30pm HST

## Program: Technology Update - Chillers, Motors and Refrigerants

Speaker:

David Wylie, PE, MBA  
David Wylie Consulting



Evolution of motors continue with the advent of electric vehicles. Stationary motors benefit from this as a result we have many new opportunities to consider. Permanent magnet, reluctance and hybrid motors and their drives on the shelf.

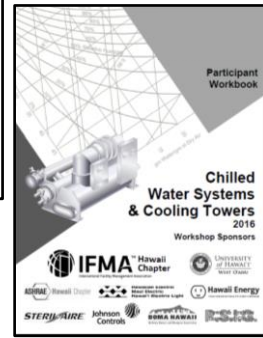
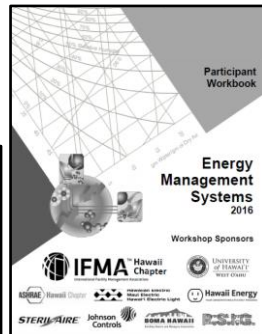
Our concern for our environment has necessitated many changes for refrigerants. Today's machinery has been designed to accommodate new refrigerants as well as the interest of energy efficiency while meeting code requirements. Many previously customized and costly features have become standard offering on chillers.

To register visit <https://ashraehawaiichapter.info/>  
\$10/ASHRAE member; \$15/non-member  
Proceeds will be donated to ASHRAE Research Promotion

Questions? e-mail us:

Sawinna Huang [Sawinna.huang@wsp.com](mailto:Sawinna.huang@wsp.com) or Todd Strand [TStrand@leisinc.com](mailto:TStrand@leisinc.com)

### A Few of David's Previously Presented Topics



Chapter President: Samantha Nakamura, PE

Chapter Program Co-Chairs: Marites Calad/Les Taniyama

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### Getting to know David

David Wylie has a wide range of energy engineering experience, including research, development, program design, measurement, feasibility study of electrical and mechanical systems, and energy supply for commercial and industrial facilities. He has a college teaching credential, teaches what he knows from experience, and has developed more than 20 courses that address energy-efficient systems. David takes sophisticated engineering concepts and relates them in a way you can understand—in a friendly and practical way.

Several of David's articles have been published in trade magazines, and he has written a book titled "New Refrigerants for Air Conditioning and Refrigeration Systems." David has been recognized for innovations in engineering from ASHRAE, Southern California Edison, and California's governor.

#### ***Instructed for the following utilities:***

San Diego Gas and Electric (SDG&E) / Southern California Edison (SCE)  
Los Angeles Department of Water and Power (LADPW) / Pacific Gas and Electric (PG&E)  
Sacramento Municipal Utility District (SMUD) / Portland General Electric (PGE)  
Idaho Power (IdahoPower) / Anaheim Municipal Utility (Anaheim Public Utilities)  
Pasadena Municipal Utility (PWP) / Hawaiian Electric Company (HECO)  
Many smaller municipalities between Washington and Montana

Served on ASHRAE Technical Committee TC 10.1 Custom Engineered Refrigeration Systems  
**Chair of Research and Development**

Served most offices for ASHRAE OE Chapter / ASHRAE Region X Award for Energy Efficiency Achievement



*Favorite Hobby: Ceramic and making wife happy*

*Favorite Food: Italian*

*Favorite Sport: Baseball*

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