



# BOMA INDUSTRY WORKSHOP

9 March, 2017 – 8:00 a.m. – 11:30 a.m.

Hellenic Meeting & Reception Centre

1315 Prince of Wales Drive

## The Future of Refrigerants

Ever since CFC regulation began in the 80s, refrigerant rules have continued to evolve. Today there is an ever increasing focus and accelerated timing on regulations for all fluids that are being used today in HVAC systems. The latest Montreal Protocol agreement focuses on the phase-down of HFC refrigerants, but more than anything else generates confusion— what's in, what's out, and what's coming?

At the same time, the market has been demanding equipment, design strategies and control methods that result in the highest levels of efficiency— will the new fluids hinder or enhance that efficiency? The next generation of fluids represents new challenges for providing the highest performing HVAC equipment: Besides efficiency, they may also challenge the industry's expectations for safety and flammability. Understand the facts of why, when, and how the industry will face the coming refrigerant transitions by attending the BOMA Industry Seminar on March 9th.

A Trade Show of relevant Products and Services will be on site.

### Session Objectives

#### Refrigerant legislation changes

- Affect on Business and Operating considerations
- Market reactions to refrigerant retirement
- Options for New Construction & Equipment Replacement; Capital Asset Retrofit; Refrigerant Drop-in Retrofit/ Replacement
- Considerations beyond regulation for Corporate Social Responsibility and Cap and Trade

#### Effects on different "Systems"

- Unitary equipment – roof tops, etc. (future refrigerant options, timelines for customers)
- Centrifugal Chillers (future refrigerant options, timelines for customers)
- Air Cooled/Water Cooled Screw chillers (future refrigerant options, timelines for customers)

#### How to pick a course of action

- Refrigerant Management Plans
- Review all the factors that effect a direction/course of action (Timelines, age of the equipment, application, etc.)
- Suggested next steps for an owner who has the different types of systems on their buildings.

### Session Presenters

**Steve Horwood (Neelands)** - Steve Horwood has been active in all aspects of the Site & Facility Maintenance and Operations and Construction industry for over 30 years. Since 2008, much of Steve's activity has been working with facility owners, developers and municipalities in assessing the opportunities and challenges associated with deploying renewable and sustainable options such as solar photo voltaic and Carbon Dioxide refrigeration.

**Dave Titus (Trane)** - David has worked as a Trane sales engineer and account manager for the last 10 years, spending the first 7 years in Toronto before moving to Trane Ottawa 3 years ago. He has worked supporting consulting engineers to develop high performance building HVAC systems in both commercial and heavy industrial sectors, and more recently has shifted focus to support building owners in the operation, maintenance, and ongoing improvement of existing building systems.

### Schedule

- 8:00 – Breakfast—Networking—Trade Show
- 8:30 – Seminar Introduction
- 8:40 – Refrigerant Legislation
- 9:20 – Different "Systems"
- 10:00 – Break—Trade Show
- 10:30 – Picking a Course of Action
- 11:10 – Closing Remarks
- 11:30 – Trade Show Closes

#### Trade Show Participants



Please type or print legibly. For additional registrations, from the same organization, please photocopy this form and complete for each participant.

Name: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Company: \_\_\_\_\_

Phone: \_\_\_\_\_

**Fee Information:** Registration Fee \$55 plus HST (\$62.15)

#### Payment Options:

Cheque enclosed OR  Visa  Mastercard

Name on Card: \_\_\_\_\_

Card Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

E-mail your completed form to [administration@bomaottawa.org](mailto:administration@bomaottawa.org)