



**Luncheon Meeting Notice**  
**Thursday, December 7, 2017**

**Vancouver Chapter**

## **District Energy Systems: Intelligent connection”**

Presented by DALE CARTER, Fellow ASHRAE & Andrew Byrnes M.SC-  
Pinchin West LTD.

In a region with increasing building envelope insulation requirements, planned step code implementation, and improving building construction practices, is there a value in district energy systems? How does a modern, mixed-use development in a climate like Vancouver develop an innovative, local solution to achieve sustainability and resource recovery objectives? These questions and more will be answered in this presentation which will discuss the opportunity for ambient-temperature district energy.

On-site resource recovery can be a successful means of reducing a development's environmental impact.



This is highlighted by the City of Vancouver's recent decision to remove district energy connectivity requirements and instead promote the adoption of site-specific low-carbon energy systems. A case study on the low-carbon, heat-recovery energy system that was successfully implemented at Marine Gateway will be presented.

Dale Carter is an ASHRAE Fellow, founder of DEC Engineering, and has over 30 years in the arena of mechanical design for buildings in the lower mainland and across Canada. Now a project specialist at Pinchin, Dale is a leader in encouraging innovation in low-temperature district energy and sustainability.



Andrew Byrnes, P.Eng, is a project manager for alternative energy projects at Pinchin (formerly as DEC Engineering). He has been responsible for several district energy feasibility study, design, construction, and optimization projects including the Marine Gateway Energy Centre.

So come with questions, as there will be a Q & A period also.

**LOCATION:** **Sandman Hotel, 180 West Georgia Street, Vancouver**  
Enter Moxie's Classic Grill escalator entrance. The ballroom is located straight through the restaurant at the back of Moxie's.

**AGENDA:** **11:30 am - 12:30 pm** Luncheon (full course self-serve buffet style)  
**12:15 - 12:30 pm** Chapter Business  
**12:30 - 1:30 pm** Guest Speaker Presentation

**COST:** \$38.00 plus GST for pre-registered CSC members / Association Executive Directors  
\$48.00 plus GST for non-members

**PARKING:** Sandman Hotel Parking: Enter off Cambie Street, pass the Sandman Hotel Breezeway, underground parking to the left, press buzzer to access parkade and take elevator to restaurant level. Cost is \$1.25 per 15 minutes.  
Easy Park: Across the street on the corner of Georgia and Cambie Streets. Cost is \$1.50 per 30 minutes.

**SKYTRAIN:** Exit at Stadium-Chinatown Station. Walk 2 minutes.



CSC Vancouver is a Registered AIBC Provider.  
**AIBC Members** will receive 1 Core LU (Learning Unit) for attending this event.



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**REGISTER ON-LINE through Karelo. Go to <http://vancouver.csc-dcc.ca>**  
MasterCard, VISA and Interac are accepted.

Name: \_\_\_\_\_ Firm: \_\_\_\_\_  
CSC Non-Member AIBC RCI (Name & Firm as you wish them to appear on your name badge)

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**COST:** \_\_\_\_\_ CSC members @ \$38.00 + \$1.90 = \$39.90 ea. = \$ \_\_\_\_\_  
\_\_\_\_\_ non-members @ \$48.00 + \$2.40 = \$50.40 ea. = \$ \_\_\_\_\_  
**Total Amount:** \$ \_\_\_\_\_

**PAYMENT:** At the door by cash, cheque or by **VISA credit card only**  
 Cheque (payable to CSC Vancouver)  
 Cash  
 VISA (complete the information below)

\_\_\_\_\_  
**Name on VISA Card** **Signature**

\_\_\_\_\_  
**VISA Card No.** **Expiry Date** **Phone No.** If we have questions

**Complete and Fax this form to 1-604-321-6794.**  
**Pre-Registration ends at 2:00 PM on Wednesday before the meeting.**  
Walk-ins welcome provided there is room.

**Missed the deadline? Did not pre-register?** You may still attend at \$50.40 per person, space permitting, BUT please call 604-868-8406 beforehand. If you pre-register and do not attend, we may invoice you for the cost of the meeting.

If you have special dietary (meal) requirements, please notify us at least 24 hours before the event.

**Questions?** Contact Vince Smith, 604-868-8406.