

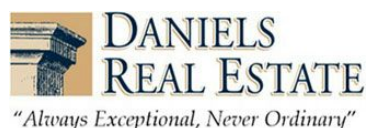
Combined Heat and Power and District Energy— Overcoming the Obstacles, Realizing the Benefits

In partnership with:

scan | design
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BY INGER & JENS BRUUN

And support by:



Olympia, WA

April 11, 2016

Attendees, additions pending

Nathaniel Jones	City of Olympia	Brenda White	SnoPUD
Rich Hoey	City of Olympia	Kathy Vaughn	SnoPUD Commissioner
Henrik Johansson	City of Växjö	Dave Sjoding	WSU Energy Program
Miha Kavcic	Danfoss	Eric Moe	UMC Energy & Environment
Jakob Bjerregaard	Danish Embassy, District Energy	Scott Locke	UMC Energy & Environment
Chuck Murray	WA State Department of Commerce	Steve Brooks	UMC Energy & Environment
Peter Moulton	WA State Department of Commerce	David Woodson	University of British Columbia
Kathleen O'Brien	Emerge Leadership	Ron Major	WA State Dept of Enterprise Services
Mark P. Greaves	Greaves Co. Inc.	Rep. Jake Fey	WA State Legislature
Anna Chittum	Gridkraft/ACEEE	Carl Vreugde	Urecon/Logstor Piping Systems
Roel Hammerschlag	Hammerschlag & Co (representing UW)	Dave Danner	UTC
Patricia Chase	i-SUSTAIN 206-349-4904	Lauren McCloy	UTC
Sandy Neale	i-SUSTAIN 206-409-0076	Deborah Reynolds	UTC
Scott Jonsen	Isoplus Piping Systems	Jennifer Snyder	UTC
Mark Schleck	Scan/Design		

Facilitator

Ric Cochrane Milepost Consulting

Please read:

District Energy: Energy Efficiency for Urban Areas (State of Green)

<http://www.districtenergy.org/blog/2016/02/17/new-white-paper-on-district-energy-from-denmark/>

9:00 – 9:30 am

**Arrive: State of Washington Department of Commerce 1011 Plum Street SE,
Olympia, WA 98504**

*Parking on Mondays is challenging. A block up there's plenty of free parking (see
"Conference/Visitor Parking" on page 3).*

- Introductions over coffee

9:30 – 10:30 am	Discussion on Danish and Swedish District Energy Systems
	Jakob Bjerregaard/District Energy Alliance, Denmark
	<ul style="list-style-type: none"> - Explaining the cost/benefits - Policies/financing - Evolving from steam to hot water - Evolving from fossil fuels to biofuels - Community economic development through PUD ownership of district energy systems - The future of district energy - Denmark's loan guarantee program
10:30 – 11:15 am	Bridging the Gap, Learning from Denmark; Implementing in the U.S.
	Anna Chittum/Gridcraft, ACEEE
	<ul style="list-style-type: none"> - State level and national policy issues (WA's 7th Power Plan, RE/EE goals), - Successfully deploying CHP/district energy in cooperation with local electric/gas utilities - Regulation around interconnection - Valuing resiliency/reliability and other policy/regulatory issues
11:15 - 12:30	The UBC Experience
	David Woodson/UBC
	<ul style="list-style-type: none"> - Explaining the cost/benefits (Different constituencies will resonate with different aspects of costs and benefits. Which ones worked with which types of people?) - Policies (which ones worked in favor of the project and which worked against?) - Financing (assumptions were made. Did they prove to be true, or what turned out to be overestimated or underestimated?) - From steam to hot water: In the trenches lessons. Would they have done anything differently? - What is the future for the DE system?
12:30 – 12:45 pm 12:45 - 1:45 pm	Transport to lunch, Anthony's HomePort, 704 Columbia St NW, Olympia, WA Lunch
1:45 - 2:00 pm 2:00 - 3:00 pm	Transport to LOTT Alliance, 500 Adams St NE, Olympia Site visit: The LOTT Clean Water Alliance Experience
	<ul style="list-style-type: none"> - The LOTT large wastewater utility has implemented small scale District Energy and methane-based co-generation.
3:00 - 3:15 pm 3:15 - 4:15 pm	Transport to Dept of Enterprise Services, 1500 Jefferson St SE, Olympia Capitol Campus Project
	Nathaniel Jones/Mayor Pro Tem, City of Olympia
	<ul style="list-style-type: none"> - Evaluating a steam to hot water conversion for the Capitol Campus - Impact of WA energy codes - barriers to district energy.
4:15 – 4:45 pm	Walking tour of Capitol Campus (weather permitting)
4:45 - 5:00 pm	Site visit: Steam system powerhouse
5:00 - 5:15 pm	Walk to Water Street Cafe, 610 Water St SW, Olympia, WA 98501
5:30 pm – 6:45 pm	Open-to-the-Public Event at Water Street Cafe
	<ul style="list-style-type: none"> - Panel discussion: "How Carbon Pricing Built the Clean Energy Industry in Denmark"

i-SUSTAIN Convenings facilitate the link between goals, policies and actions by bringing public, private and non-profit sector professionals together to advance actual projects.

Parking options for 9a meeting at 1011 Plum St.

