

FOG DISPENSER

Golden Gate Chapter



ASHRAE

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NOV 2007

November Meeting Details

This is a LUNCH meeting of Golden Gate ASHRAE in downtown San Francisco.

Date: Thursday, Nov 1, 2007

Place: Pacific Energy Center ([directions](#))
851 Howard Street between 4th and 5th Street

Schedule:

- 11:30 AM Registration and social hour
- 12:00 PM Lunch with announcements and intros
- 12:30 PM Main program/presentation
- 1:15 PM Adjourn

Cost:

	Before noon Fri., Oct 27	After noon Fri., Oct 27
ASHRAE members	\$40	\$47
Non-members	\$47	\$50
Students	Free with registration	
Voucher holder	Free with registration	

Please make your reservation at www.ggashrae.org/meetings/2007-2008/nov.htm.

NOTE: If you make a reservation and cannot attend, you need to cancel in advance, or you will be billed. Kristin DeMartini will be taking reservations. If you need to CANCEL, please send a message to Kristin at cancellation@ggashrae.org.

November Program: Geothermal Systems



Mike Ericksen, Project Manager Air Connection

Ground-coupled heat pumps design for commercial and residential buildings, also known as geo-exchange, ground source heat pump (GSHP) and geothermal heat pump systems. As a project manager at Air Connection, Mike Ericksen provides sales and engineering for geo-exchange and in-floor radiant heating systems. Mike has 28 years of experience designing and installing residential and commercial geo-exchange systems throughout California, Colorado, Utah, Oregon and Washington State. He is a certified geo-exchange designer by the Association of Energy Engineers. In 1971, Mike graduated from Oregon State University, School of Forestry. Ground source heat pumps were developed initially for the residential market and now are being used for commercial and institutional buildings throughout the U.S. GSHP is an all-inclusive term for a variety of systems that use ground, groundwater, and surface water as a heat source and sink.

Golden Gate Chapter President's Message

Robert Marcial, President, GGASHRAE

Take a time-out.

So I had a birthday recently. I won't say which one as that's not really so important. Besides, I'm not one to celebrate my own birthday much, even if it's a "BIG 20", "BIG 30", etc. Numbers of birthdays are almost meaningless in the big scheme of things, however, the marking of each decade that we've been on Earth might be a good time to reflect back and look forward...in other words...to take a "time out".

Other milestones—changes in jobs, living environments, the passing and arrival of important people in our lives— might also serve the same purpose. I try to take a time-out every once in a while and it's usually on a hiking trail or on a bike ride somewhere in the Bay Area. I like to think that one of those time-outs a while back was at least partially responsible for where I am today at the Pacific Energy Center and at the helm of our Chapter.

By my 25th birthday, I had my undergraduate Berkeley Architecture degree and a few years of work experience under my belt. I was also fortunate enough to have met, studied with, and worked with a few people who had strong values about the purpose of their work. For my quarter-century time-out, I packed up some thoughts, water, snacks, a couple layers and headed across the Bay to think about the next 25 years. I'll spare you all the details, but at the end of that day, there were three things or values that surfaced about how I would spend the next 25 years of my career and extracurricular life. My idea of value-driven way(s) of making a living were going focus on at least two of three things—education, building design, and energy/environmental issues related to buildings. Ideally, what I committed to would focus on all three things at once. Looking back on the years since that milestone, I'd like to think "so far, so good".

Why bring this up? A couple reasons...first to let you know a little bit about me as I said I would in the previous issue of this newsletter, but more so to remind and encourage readers that it's never too late to take a time-out to reassess where you are, regardless of your level of satisfaction. No need to wait for your next milestone. Any day can be a milestone day! Being part of ASHRAE is also part of that personal commitment given our organization's commitment to improving the quality of the built environment. And those values extend into the things we offer to you, including the monthly speakers and meeting topics.

For our [November meeting](#), we have Michael Ericksen giving a presentation on Geothermal Systems on Thursday, November 1 at 11:30 a.m. at the [Pacific Energy Center](#) in San Francisco. He'll speak about system components, entire systems and how they can be used as low energy alternatives to conventional systems.

I hope you can join us for lunch. Lunch meetings tend to be shorter and we've scheduled this lunch meeting at a venue close to public transportation. See you next week!

Best regards,

Robert Marcial

Student Activities

Gary Harbison, Student Activities Chair

We are looking forward to this year and strengthening the ties we have with California-Maritime Academy, San Francisco State, Stanford, and UC-Berkeley. We will offer deserving student(s) an opportunity for a travel grant to attend the ASHRAE winter or summer meeting. We will continue to participate in the Bay Area Science Fair, and to provide scholarships in the spring.

We need a committee chair and/or vice-chairs to share the load. One goal we have this year is to increase outreach to high schools by participating in career days, and speaking to senior level science students about the field of ASHRAE, and how it can be an exciting field of study.

If you would like to volunteer to chair Student Activities please contact Gary Harbison at 510-266-7806 or any board member.

History Repeats Itself!

Tom Gilbertson – Chapter Historian

History Repeats Itself!...well, almost....just wait!

The reader may recall that we mentioned “CECO”, the Commercial Energy Conservation Ordinance in an article last spring.

CECO was an ordinance that covered commercial buildings in San Francisco. The ordinance required that 1% of the sales price of a commercial building, up to a limit of \$150,000.00, had to be spent by the buyer, on certain prescribed “energy efficiency” measures within the building. The funding had to be provided by the seller, and before the property records could be recorded as being transferred the CECO forms had to be filed, as proof of the funds having been spent, OR an escrow established that doled out the “1%-fund”.

Saying this another way....”No CECO Forms....No Property Transfer”. Believe me this ordinance had teeth!

Without boring you with the details there were special forms, special inspectors, and special control and energy efficiency measures that met the requirements of the ordinance.

About +/- 10 years ago, the ordinance was suspended by the City of San Francisco.

Being a “Special CECO Inspector”...I still have my photo-identification card...I administered a number of the CECO-driven energy efficiency projects. I recall the one Midwest Title Company was “stunned” to find out that their transaction just flat “stopped” until they placed \$150,000.00 in escrow to satisfy the requirements, in order to be able to record the property transfer. (The sales price of the building was in excess of \$15,000,000.00 so the upper limit of \$150,000.00 governed.)

Well, like I mentioned, CECO was suspended about 10 years ago...I guess that makes it history....**BUT**, “History” is about to repeat itself, because the ordinance is being studied again by the Board of Supervisors’ Committee, for reinstatement!

Stay tuned for “history in the making”!

Chapter Technology Transfer Committee (CTTC)

Tyler Bradshaw, ASHRAE Golden Gate CTT Committee Chair

2008 Golden Gate Technology Awards

It's not too early to start your application for the 2008 competition. If you are considering submitting one or more of your projects, start by reading the requirements, downloading the required forms and getting the owner's/client's permission.

The 2008 award applications will be due no later than Feb 2008. The following are links for more information on how to get started.

<http://www.ashrae.org/publications/detail/14703>

<http://www.ashrae.org/publications/detail/14704>

<http://www.ashrae.org/publications/detail/14692>

<http://xp20.ashrae.org/STANDCOM/ShortForm.pdf>

2008 Spring Seminar

Our 2007 seminar this year was a huge success; many thanks to this year's seminar committee for all their hard work. The CTTC is already making plans for building upon this success for next year's seminar tentatively planned for Spring 2008. We are currently looking to individuals who are interested in heading up the next seminar planning as Seminar Committee Chair and Vice Chair. Please contact me or any board member if you are interested in a chair position or if you want to help out in another way.

Get Involved in Standards Review

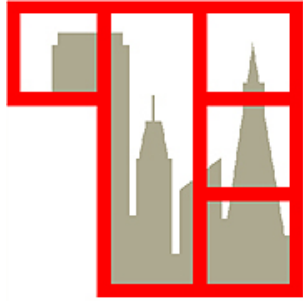
There's a common saying that if you don't vote then you have no right to complain about politics. In a similar fashion, we cannot complain about the content in our ASHRAE Standards if we have not taken advantage of the review and comment process available to all members.

Please visit the standards section of the ASHRAE website for more information on how you can get involved.

<http://www.ashrae.org/technology/page/331#672>

Join the CTTC Committee

If you like to assist the chapter and get involved with ASHRAE, the Chapter Technology Transfer Committee is one of the best places and could use your help. Talk to a board member or contact Tyler Bradshaw at tbradshaw@rumseyengineers.com.



Taylor Engineering

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Contact: Glenn Friedman
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Minutes of Golden Gate Chapter Meeting—October 4, 2007

Scott Wayland, Wayland Engineering Inc.

Meeting Date: Thursday, October 4th, 2007

Location: PG&E PEC SF

- Robert Marcial, Chapter President, called the meeting to order at 6:30 p.m.
- Self introductions.
- Announcements and administrative discussion
 - Minutes of the June 2007 joint meeting were approved.
 - Introduce and thank and welcome new Board members
 - Glenn Friedman, Past President
 - Jeff Blaevoet, President Elect
 - Scott Wayland, Secretary
 - Gary Harbison, Treasurer
 - Kristin DeMartini, First Year Board Member
 - Introduce and thank and welcome new Board members
 - Jeff Violet as Research Promotion Chair
 - Becky Carta as Membership Chair
 - Fahad Rizqi has left the Board and we are looking for someone to step up
 - Peter Rumsey awarded ASHRAE Regional Technology Award for First Place for the Lewis & Clark State Office Building in Jefferson City, MO at the 2007 CRC
 - Robert Marcial introduced the Electronic Suggestion Box at the website
 - Glen Friedman reported on the success of the Seminar on “Personal, Professional, and Political Climate Solutions”
 - Raised approximately \$10K (\$5K for research, \$5K for scholarships)
 - Thanks to Tyler Bradshaw and David Okada
 - Tyler (CTTC Chair) asked for members to participate next year
 - David Okada Solicited members to write the governor to support AB 35 – LEED for state buildings
- 15 minute break.
- Jeff Blaevoet introduced the speaker for the main presentation: Scott Wayland.
- Main presentation: Solar Thermal Heating and Cooling
- Marble draw raffle by Cory Palmer and Kendra Tupper
- Next meeting: Thursday, November 1, at the PG&E PEC at NOON
- Motion to adjourn the meeting at 8:45 p.m.

2007 - 2008 Event Calendar

Date	Venue	Presentation Topic	Speaker(s)
Thursday November 1, 2007 Lunch	Pacific Energy Center, S.F.	Geothermal Systems	Mike Ericksen
Thursday December 13, 2007 Dinner	Doubletree	Carbon Neutral	Kent Peterson
Thursday January 10, 2008 Dinner	Scott's Seafood, Oakland	TBD	TBD
Thursday February 7, 2008 Dinner	Pacific Energy Center, S.F.	TBD	TBD
Thursday March 6, 2008 Dinner	Embassy Suites, San Rafael	TBD	TBD
Thursday April 3, 2008 Dinner	Pacific Energy Center, S.F.	TBD	TBD
May 1 2008 virtual building tour Dinner	Scott's Seafood, Oakland	TBD	TBD
Thursday Jun 5, 2008 Dinner	Carnelian Room, S.F.	TBD	TBD

TBD = To Be Determined

Visit <http://www.ggashrae.org/calendr..htm> for updates, presentation summaries, speaker biographies and to register for the meetings. If you have suggestions for meeting topics, please contact Robert Marcial at rmarcial@pacbell.net

October 2007 Meeting, Pacific Energy Center, San Francisco

Wasil Popow, Publicity Chair

