

The Grapevine

October 2019 Redwood Empire ASHRAE Section Newsletter



REASHRAE RECSI Joint Meeting

October 3rd 2019

Join Redwood Empire ASHRAE at our annual joint meeting with Redwood Empire CSI. Learn about climate impacts on building design in California with Joe Huang.

Our 21st Annual Golf Tournament is scheduled for October, 18th at Bennett Valley Golf Club. Help us raise funds for college scholarships!



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REASHRAE MAILING ADDRESS:
P.O. Box 5665 Santa Rosa, CA. 95402

Annual Joint Meeting

The Implications of Climate Change on the Design and Operations of Buildings in California

Although there has been increasing attention within the HVAC Industry about Climate Change, opinions are still divided on the appropriate response. Some focus on resiliency during more extreme climate events, and others on improving building energy efficiency to counteract the gradual increase in global temperatures. Although there's general agreement that buildings should be designed with the future weather in mind, design practices still rely on historical weather data from the past. As part of an effort in updating the

reference weather files used by the CEC for Title-24 calculations and the CPUC for their utility incentive programs, Joe analyzed the trends in California's weather conditions over the past 20 years and worked to incorporate them in the standard weather files and design conditions. The presenter will also share his experiences in creating future year weather files combining historical weather data with projected future weather from global climate models.

October 3rd, 2019
REASHRAE Joint Meeting
Charlie's Grill
1320 19th Hole Drive
Windsor, CA

Meeting Schedule:

5:30 PM Welcome
6:30 PM Dinner
7:00 PM Main Program
8:00 PM Q&A

Cost:
\$35 General Price

For tickets please register at:
<https://www.brownpapertickets.com/event/4396492>



Joe Huang is the president of White Box Technologies (est. 2007) after working at LBNL for 26 years. Joe helped develop the EnergyPlus building energy simulation program, and used simulations to evaluate new building technologies and building energy standards around the world. Joe continues to work on weather data, and large data sets of "typical year" weather for ASHRAE & CEC. Joe has completed many projects studying the potential impacts of Climate Change on building energy use in California.



Redwood Empire ASHRAE President's Message

Greetings Redwood ASHRAE-ers,

Welcome to a new year of ASHRAE! I am excited to serve you as the Redwood Section President. Let's make this a great year.

Some of our goals for the year include: getting more people involved (especially new members). Raise money for scholarships and continue to provide events with relevant topics and talented speakers. We need your help! Any ideas to get more people involved? If you have a suggestion for interesting topics speakers to invite to our meetings, please reach out. Our upcoming meeting this Thursday features Joe Huang from at White Box Technologies, to discuss how climate change impacts building design in California. There couldn't be a more relevant topic!

Please don't hesitate to invite a colleague out to an event. If they have said "no" before, try again! When they do say "yes" that 10% of the time, it makes ALL the difference. People have fun when they come out to our events and get to know us. We are more like a little family with a smaller, more tight-knit vibe than other chapters. Just look at the fun we had at the Russian River Brewery tour event last June (pictures on page 6)!

Let's make a push to have great REASHRAE events. Let's get more young people involved. Let's make more connections with students.



Redwood Section President
2019-2020

William H. Martin III

And let's work together to make ASHRAE more fun and approachable.

To promote participation this year, we will recognize you for bringing your employees and paying their way (as well as their National Membership) on our Honor Roll, which will be shown at the beginning of every meeting. Don't forget to participate or send your employees to our Annual Golf Tournament (Oct 18th... see flyer...) and come build friendships and have a blast. The golf tournament is our biggest fundraiser of the year, and will help us continue to fund scholarships for local students hoping to study engineering in college. We also have some ideas in the works for YEA (Young Engineers In ASHRAE) events with Golden Gate ASHRAE and we might have an informal Bocce Ball event on the horizon (we'll have to wait and see...!).

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President's Message Cont.

I'd like to give a special shout out to our hard working Board Members & Usual Suspects (you know who you are!) who have already stepped up to shape this year into a successful one. Mike Scofield is heading up our Careers in Construction team this week with Logan McGowan from Peterson Mechanical. These selfless volunteers will help introduce local High School students to our wonderful world of engineering in HVAC.

We can't do what we aim without your participation in our section. Help sponsor an employee to join our meetings, donate your time, dollars, thoughts, ideas, and friendship. A little bit goes a long way. It makes all the difference.

I know in our busy lives the drive to an REASHRAE event can seem like an effort, but remember our Redwood Section meetings are infrequent (only 3 or 4 nights a year) and are made more successful by your participation. So come join the fun!

See you at the next event.

Sincerely,

Billy Martin
REASHRAE President

REASHRAE College Scholarships 2020 application now open

By Harrison Nichols

Last year, the Redwood Empire ASHRAE Board was able to give away \$6,000 in scholarship prizes to 5 applicants. We received many great applications from senior students at High Schools in Marin and Sonoma County. Scores for each applicant were based on their academics, SAT and ACT scores, letter of recommendations, extracurricular activities, and their choice to pursue a major in a field relating to the mission of ASHRAE. Three of our scholarship winners from last year will be attending UCLA, and the other two will be attending Cal State Long Beach and UC Davis.



REASHRAE is proud to provide scholarships to local high school students interested in pursuing engineering and science in their college careers. The 2019-2020 scholarship program is now open for any high school senior who is looking to pursue a major in a field relating to the mission of ASHRAE at a 4 year college. If you, or anyone that you know may be interested in this scholarship, please email harrison.nichols@trane.com for more information. You can visit our website at www.reashrae.org for more information and access to the application.



ASHRAE

NOT A NATIONAL ASHRAE MEMBER? JOIN US!

By Mike Scofield, Membership Chair for Redwood Empire ASHRAE Section

Your membership in ASHRAE puts you in touch with over 53,000 members in over 170 Chapters worldwide. This group includes Consulting Engineers, Mechanical Contractors, Building Owners, Manufacturing Companies, Educational Institutions, Research Organizations, Architects, Government officials, and all concerned with HVAC&R for the Built Environment.

Join online at <http://www.ashrae.org/join>



LEVELS OF MEMBERSHIP ARE AS FOLLOWS:

- ASHRAE Member (\$206)** is available for anyone with 12 years or more ASHRAE approved experience in the HVAC&R Industry.
- Associate Member (\$206)** is available for anyone with less than 12 years of experience in the HVAC&R Industry.
- Affiliate Member* (\$52 first year, \$78 second year and \$103 third year)** is available for first time members under the age of 30 years. This is an excellent way for the young Design Professional to become involved with ASHRAE at a lower cost. *This membership does not include the ASHRAE Handbook.

Questions: Contact membership@ashrae.org

Don't forget to select your local **Golden Gate Chapter** when you join National Society! (\$60)

Your ASHRAE membership includes:

- ASHRAE Handbook the year you join and each year you remain a member.
- Monthly *ASHRAE Journal* magazine.
- Discounts on attending ASHRAE annual EXPO and Technical Meetings.
- Discounts on over 300 of the HVAC&R Industry Technical Publications.
- Discounts for Continuing Education Courses through the ASHRAE Learning Institute.

Join the Redwood Empire ASHRAE Section

I'll Join RE-ASHRAE for 2019-2020

Send your check of **\$25** to P.O. Box 5665, Santa Rosa, CA. 95402 or bring your check to the next REASHRAE meeting. Make checks payable to Redwood Empire ASHRAE. Thanks!

Name: _____

Company: _____

Company Address: _____

City, State, Zip: _____

Email: _____

Work Phone: _____ Work Fax: _____

Home Phone: _____

Please use the following address for ASHRAE correspondence (if different than above):

Address: _____

City, Zip: _____

Currently I am a member of:

ASHRAE National Society Member

ASHRAE Golden Gate Chapter

ASHRAE _____ Chapter

Meeting Re-Cap

REASHRAE June 14th

We had such a fun time at the Russian River Brewery facilities, and really learned a lot on the tour. The view from the catwalk was indeed spectacular. A special thank you to Adrian Giovenco and Scott Wayland for setting it up.





CAREERS IN CONSTRUCTION OPPORTUNITY FAIR

Wednesday, October 2nd, 2019 | 10:00AM – 1:00 PM
North Coast Builders Exchange | 1030 Apollo Way, Santa Rosa



LEARN ABOUT HOW YOU CAN

- MAKE A GREAT WAGE!
- WORK OUTDOORS!
- JOIN THE NORTH BAY CONSTRUCTION CORPS!

CHECK OUT THE MANY BENEFITS OF
A CAREER IN CONSTRUCTION

Talk to the College and Career Counselor or
Work-Based Learning Coordinator:

For questions please contact Robin Bartholow at 707.542.9502 or robin@ncbeonline.com

Redwood Empire ASHRAE

21st Annual Golf Tournament

Friday October 18, 2019

All proceeds from this event are earmarked for the annual scholarships our group provides to local graduating high school seniors heading to a 2- or 4-year college or university and studying an engineering or engineering-related field. We are also trying to develop a scholarship for trade schools. Last year we awarded a total of \$7,000 split between five well-deserved students.

The more money we raise at this event, the more money we can donate to our local youth. In other words, **break out the checkbooks!** All sponsorship ideas are fair game. We can have sponsors on each hole with an activity or beverage or just about anything you can think of. Contact Adrian with ideas.

Please return the entry form below by October 4th to Adrian via email at adrian@inspire.ag



Location:

Bennett Valley Golf Club
3330 Yulupa Avenue, Santa Rosa, CA 95405
(707) 528-3673

Schedule:

Sign-in 10:30 AM
Lunch 10:30 AM - 11:30 AM
Tee-off 12:00 PM (Shotgun Start)

Format:

Best Ball Four Person Scramble Format

Entry Fee:

\$180 per person includes: green fees, cart, box lunch and post tournament buffet dinner and prizes (door prizes, raffle prizes, hole prizes)
For "Dinner Only" contact Adrian Giovenco at (415) 418-0197 or adrian@inspire.ag

Dress Code:

Collared shirt, no denim or jeans, soft spikes only

Golf Entry Form

Name: _____

Company: _____

Address: _____

City: _____

State: _____ Zip: _____

E-mail Address: _____

Phone: _____

Foursome Names:

Name: _____ (Captain)

Name: _____

Name: _____

Name: _____

Event Contributions / Donations:



Hole Sponsorship(s) – \$200 EACH (you can sponsor more than one)

Includes: High quality full-color print framed 11"x17" poster with company name and logo (send logo with sponsorship)



Will Bring Raffle Prize Item(s) to Donate Item(s) _____

The Grapevine

Is published quarterly by the Redwood Empire Section of the Golden Gate Chapter of ASHRAE. We encourage submissions from members and non-members alike that might be of interest to our readers. Items for publication should be submitted directly to the Editor and President via email.

If you have questions or comments about the Grapevine, please contact the Editor:
William H. Martin III
wiliam@conservationmechsys.com

The Grapevine

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*The mention of any business, product or service in this newsletter does not imply endorsement by ASHRAE.

Events Calendar

Oct. 2, 2019 – Careers in Construction
Santa Rosa, CA

Oct. 3, 2019 – REASHRAE/RECSI Joint Meeting
Windsor, CA

Oct. 18, 2019 – Annual Golf Tourney –
Bennett Valley Golf Club

Nov. 2, 2019 – Bay Area Science Fair
with GG ASHRAE at Oracle Park
San Francisco, CA

Dec. 2019 – Holiday Meeting at Napa Elks Lodge
Napa, CA

Feb. 1-5, 2020 – ASHRAE Winter Conf.
Orlando, FL

Mar. 2020 – REASHRAE Meeting
San Rafael, CA

Send us your ASHRAE-related events!

Your Ad Could Be Here!

Your classified ad could reach more than 100 engineers, contractors, facilities' owners and manufacturers' representatives. Business card ads are only \$25 per issue (or \$90 for 4 issues). For more information on advertising rates and publication guidelines, visit us online at www.reashrae.org or contact:

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