

FOG DISPENSER



June 30 Ashrae End of the Year Meeting

The Golden Gate ASHRAE Chapter is proud to present our final, end of the year meeting. We will have a look back at the year, including meeting highlights, YEA events and Student Activities reports.

It's been an interesting year, as we moved from in-person meetings, to virtual meetings, but we are proud to say that you, our members, have widely supported us.

We will end the meeting with an officer installation, for the coming 2020 - 2021 ASHRAE year, which starts on July 1. On page 2, we highlight our current Board of Governors.

Thank you!



TUESDAY, JUNE 30

12:00 NOON - 1:00 pm

Register Here for Meeting Link and Call in Information" -

<https://ggashrae.org/meetinginfo.php>

INSIDE THIS ISSUE:

Event Calendar.....	2	Redwood Empire Update.....	9
Historian	3-4	Learning Opportunities.....	10-11
Announcements	5	Government Advocacy	12
Student Activities.....	6-7	Employment Opportunities...	13-14
Research Promotion.....	8	Board and Chair Members	15
CTTC	9	Sponsorship rates.....	16-17

GOLDEN GATE ASHRAE
FOG DISPENSER
VOLUME L16- NUMBER 9
JUNE 2020



Jason Lesser
President
American Mechanical Inc -
Golden Gate



Alyse M Falconer
President- Elect
Point Energy Innovations



Brian Michael Chacon
Secretary
Ascent



Jeremy Augustin Martinez
Treasurer
California Hydronics Corp



John Hill Gardner III
2nd Year Board
Member
R F MacDonald



Juliana Velez
1st Year Board Member
Hatch Data



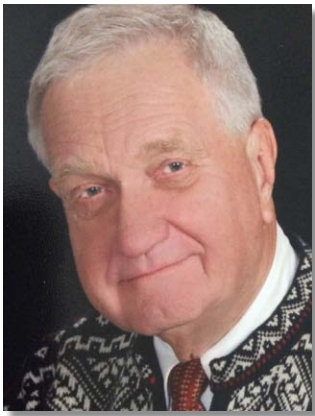
Michelle V Dionello
Past-President
Genentech

EVENT CALENDAR



NEXT MEETING:
THURSDAY, JUNE 30

FOR MORE INFORMATION AND DETAILS
GO TO WWW.GGASHRAE.ORG



Tom Gilbertson, Chapter Historian

MAY 2020

"While strolling in the Park one day...in the Very, Merry Month of May!...I was taken surprise...by a pair of roguish eyes...in the very, very... Month of May!"

(Ed Hanley 1884..).That may be best listened to as a barber shop quartet singing at an SPEBSQSA event...(and you thought that only ASHRAE had all sorts of confusing initials).....Happy Times indeed!...Something that we wish

for in these troubled, COVID 19-times. We could use some Happy Times!

Rather than wallow in sorrow, I prefer to remember...all of the Happy Times that ASHRAE-involvement has brought me over the years....

ASHRAE's Annual Winter Meeting(s)!...starting in 1963...an excuse for me to travel to a major city...like Chicago, or Philadelphia, or New York...and take in ASHRAE-meetings, as well as tour the International Air-conditioning Show...check out all the restaurants, sporting events, saloons, and shows...and all that went with it!...AND...take-in a seminar or two...(well maybe one)

For the manufacturers' representatives it was basically an excuse to "hoot and holler"...the dinners...the hospitality rooms...and seeing all your old buddies!...as one toured from hotel to hotel... "sampling" the offerings of the manufactures' food and libation!...basically, about a four-day party!...seeing how much trouble one could get into!...

There is the Canadian side to ASHRAE, too!...How else would I have had the great visits to Halifax, Toronto, Montreal, Quebec City, Ottawa, Windsor, Vancouver, and Saskatoon...(Ah!...the great local restaurants!)...if ASHRAE had not had a meeting for me to go to?

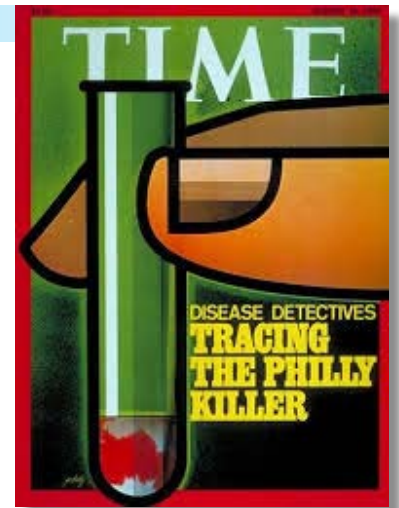


ASHRAE can recall 1976 in the Bellevue-Stratford Hotel in Philadelphia where Legionnaires Disease got its name!...The poorly maintained evaporative condenser's sump provided a great place to elevate and store the domestic make-up water that always contains some of the legionella bacillus...in the cooler's sump...Under the right conditions this develops the perfect conditions for the legionella bacillus' colony-forming units, to increase in number, ...and to be aerosolized by the evaporative-condenser's plume...and make people very sick... ("Legionnaires Disease")...They develop a very virulent form of pneumonia...(Does that sound a little like what we going through now?)...(Yes, I realize that was bacteria-driven disease. Not a virus...but the symptoms, and...the outcome can be very similar.)

The American Legion Convention in 1976 brought the crowds together in Philadelphia...at the Bellevue-Stratford Hotel ...and the Legionnaires, themselves...crowding together...came down ill...hence they received the "naming rights"... "Legionnaires Disease"... "Social distancing" apparently was not considered, at the time.

I remember one night in Bellevue-Stratford Hotel...when four of us at the Winter ASHRAE Meeting were going from hospitality room to hospitality room...when the elevator door opened and three fellows...all dressed to the nines...stepped in...and one held the door...The salutation was... "How about it... Anybody want to shoot some dice?"... "Sure"...I said...and in less than a minute after 3 rolls...I was out \$40.00!...when Doug Kirby...the Chrysler Regional Manager...shouts... "Hey... those are loaded dice"...and the three fellows bolted and left me to remember that "shooting dice"...could put me in the doghouse...if not in the jail-house...Just one of the fun-times at ASHRAE!

Not unlike playing "Bourrée (Boo Ray)" until 4 AM with the Louisiana Boys...in another hotel...at another ASHRAE Meeting...but that is just another bit of happy ASHRAE-history...ASHRAE Meetings were not always...all work.

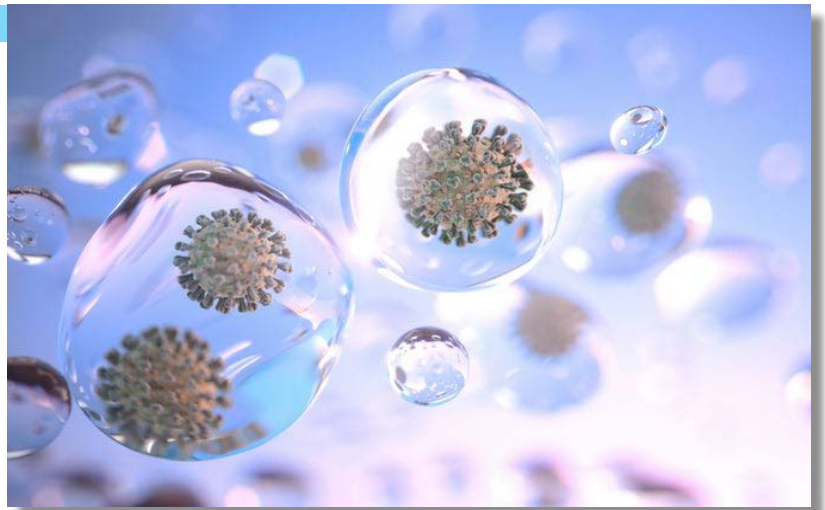


Tom Gilbertson, Chapter Historian

JUNE 2020

"Take me out to the ball Game...Take me out to the crowd!...Buy me some...." (Jack Norwood,, Albert Von Tilzer 1908).... OOPS...we're not singing that song this year! ... everything is changing!...

(You know the song...and just so you do know... "Cracker Jack" has already been banned at all ballparks!...but that is another bit of history)



What is ASHRAE's Golden Gate Chapter's take on this Covid-10 experience?...First, it has changed the historical format for our meetings!....We are..."ON-LINE"!

No more introductions, social hour, or raffles...no travel...no meal...no "Meet & Greet"...BUT!... technical presentations still prevail, and they are very good. The efficiency, and reduced costs of "ON-LINE-meetings" is remarkable...no commuting... no parking...no wasted time... reduced costs...no hall to rent...no meal to purchase...no driving home at night...All this is quite different from our usual style.

What emphasis is being brought to the forefront by the Covid-19 pandemic that ASHRAE, can, and is addressing?...Ventilation comes to my mind...perhaps we need to be applying more and better ventilation, as well as some form of capturing and killing the airborne particles (particles that we THINK)...are among the means and methods of "virus transmission"... and that the concept of "social-distancing" seems to want to address?...Realize, too...that this is not ONLY about this latest, new virus...there are most likely to be others...as well as just protecting against what we know is already is present.

ASHRAE has historically been fond of "economizer cycles"...for years we gave little thought to there being anything terribly wrong with 'recirculated air'....after all, "recirculation of air" has been a lynch-pin of energy savings...Looks like that concept might change??...Maybe even all of our sophisticated "clean rooms" may require some additional "tuning"...Is it time to use something in our ventilation system to "kill" all of that "bad-stuff"?...Most projects that we see today seem to have a Dedicated Outside Air System (DOAS) somewhere in the design...The concept here seems to be...not to bring that "contaminated air" back to occupants...who contaminated the air, in the first place...We might call that "mechanical-social distancing".

ASHRAE Journal's latest edition had the article about "source-testing of domestic water" ...We have a number of ways to protect against bacteria such as Giardia, and the legionella bacillus ...basically, one can design a "short-term pasteurization" system that will automatically, or rather I should say... "unattended" ...create the "161 F for 30 seconds" that constitutes a definition of the pasteurizing effect...and this design attention can disinfect the "hot water"...BUT...the ASHRAE Journal article pointed out that "29 % of the municipal water systems tested" had unacceptable levels of Giardia...This leaves the "cold" water side of the domestic system at the mercy of the municipal water supply-quality....So...what are you going to do about that?...(Think municipal precautions that add chloramines to the water supply, to enhance the performance of "chlorine" as a disinfecting agent...and the issue that the chloramines ostensibly attack many types of gasket-material)

The Covid-19-situation may have made us more aware of one of the most basic needs of the population... "sanitation"... and "safe ventilation"... (Think...nursing homes ... homelessness...food service...crowds...)...ASHRAE does like to use the term...and take the responsibility for...the... "Built Environment"...so...what are you doing about this?...

Maybe we need to change our ways, and take more responsibility for areas in which..."historically"... we may have been less than diligent???



Welcome New Board Member!

MOANA REYNAU, PE, LEED AP

"After serving as Communications Committee Chair over the last couple of years, I am excited to join the ever dynamic Golden Gate ASHRAE Board, and particularly support our members and HVAC community with the useful resources to navigate through these rapidly evolving times of pandemic threat and social change."

Moana is a talented mechanical engineer and project manager with 12 years of experience designing high-performance HVAC systems and controls. Well versed in a variety of modeling software tools, Moana is skilled in the integration of energy modeling, CFD analysis, BIM modeling, and daylight simulation to develop unified and holistic designs for a variety of projects and sustainability goals. In addition, his experience with numerous higher education projects gives him a strong technical knowledge for creating energy-efficient, comfortable spaces for learning and collaboration..

2020 ASHRAE/ASPE PRODUCT SHOW ANNOUNCEMENT

Hello All,

This year's product show date is **TBD, due to Shelter in Place**.

Since last year's event was an absolute hit, we are planning on bringing back a similar format. It will consist of a combination vendor booth showcase, six 30 minute technical presentations, along with a raffle.

One key change to this year's event will be that it is open to members of ASHRAE, as well as the American Society of Plumbing Engineers (ASPE). Expect a mix of vendors and technical speakers coming from both the Mechanical and Plumbing trades of the industry.

More information to follow soon, we are looking forward to working with everyone on this event again, to make it as good as last year's!



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Student Activities is Creating a Local Alumni Network!

by Megan Dawe, Post-High Lead

Calling all alumni from our Golden Gate schools to enter our Alumni Network database. This list will be provided to student members to make connections and increase involvement in the Golden Gate Chapter. Designation as 'available for mentorship' is optional - up to you!

Enter your information here: https://docs.google.com/forms/d/e/1FAIpQLSeJSMahdAtP2Pvbv0O1IPXK6bfvp4wSi9eTfrOfDKsEMbHhuQ/viewform?usp=sf_link.



Does Your Company or Organization Offer Student Internships?

by Megan Dawe, Post-High Lead

Many of our student members seek internships to fulfill their academic requirements and gain hands on experience. Student Activities is working to connect student members with local internship opportunities and promote internal collaboration.

Fill out your company's information here: https://docs.google.com/forms/d/e/1FAIpQLSe1FsT2qbLWTAhBBi7d7PGB1u49gt6dDLgMMQDG7gKwriniHA/viewform?usp=sf_link.

SmartStart Program for Graduating Student Members

by Alicia Tan, Student Activities Chair

Are you graduating and looking to transition to industry? Take advantage of the SmartStart Program for a three-year discount on the ASHRAE Associate membership. The first year on the program is \$25, the second year is \$85, and the third year is \$115. Receive all of the member benefits, including the ASHRAE Handbook! You can find more information and applications for the SmartStart program here: <https://ggashrae.us13.list-manage.com/track/click?u=f3fd22d830858a2f5f4559c55&id=3fffdb1e22&e=93a90f5145>

continued on next page

Attend the Virtual 2020 ASHRAE Annual Conference June 29th - July 2nd!

by Richard Paillon, Scholarship and Grant Lead

The Golden Gate Chapter would like to invite Chapter Students to apply for a grant of \$25 for registration at the 2020 American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Annual Conference that will be held online from June 29th through July 2nd.

In the past ASHRAE hosted their annual conference and expo in major cities. The conference was normally attended by over 10,000 industry professionals. The Golden Gate chapter would regularly sponsor two student ASHRAE members to attend the conference. This year's virtual conference (due to the COVID-19 pandemic) is a great opportunity to have many more student members take part in the activities. There will be 12 live technical sessions and 80 more sessions available for 18 months.

See <https://www.ashrae.org/conferences/ashrae-2020-virtual-conference>.

Applicants are required to:

- *Be an ASHRAE Student member enrolled in a college or university within the geographical area covered by the Golden Gate Chapter.*
- *Attend at least 2 sessions at the conference.*
- *Apply for the \$25 grant prior to registering online for the conference. A confirmation of the grant will then be sent to the student.*
- *After attendance submit a receipt or acknowledgement of payment for conference registration and a list of the sessions attended.*

Students may submit their grant request with their ASHRAE membership number to aggcstudents+SummerTG@gmail.com. Those who do not apply for their grant prior to the deadline may still be reimbursed for attendance if there are grants left over after the normal application process.

Requests are due no later than 5:00 pm on June 26, 2020.



Brian Chacon, Membership Promotion Chair, Research Promotion Chair

What is the Resource Promotion Campaign?

The RP Campaign is an annual fundraising campaign benefiting the funding of numerous ASHRAE Programs. These programs include:

- **ASHRAE Research**
- **ASHRAE Scholarships for undergraduate students**
- **ASHRAE Learning Institute (ALI) development of new courses & materials**
- **Graduate Research Projects (Grants-in-Aid)**
- **Young Engineers in ASHRAE (YEA) Leadership Training**
- **Permanently endowed support to all of the above programs**

The RP Campaign is overseen by the RP Committee, a standing ASHRAE Committee. The committee is made up of 14 Regional Vice Chairs (RVC), 1 Consultant (past RVC), 3 Vice Chairs (past Consultant), and Chair (past Vice Chair). Staff support includes a 3-member team based at ASHRAE Headquarters. The RP Campaign raises over \$2.2 million a year from over 6,000 donors. These donors are made up of ASHRAE Members, industry associations, and industry organizations.

Your contributions are much appreciated. Thank you for making a difference and shaping tomorrow's built environment today.

Your Board has stepped up to kick start the campaign by donating at least \$100 each!

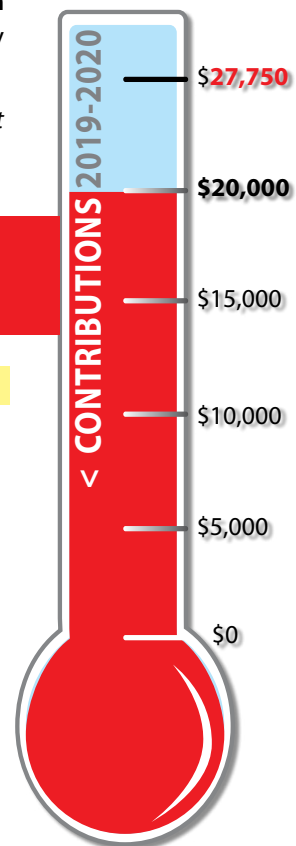
DONORS IN 2019-2020:

ORGANIZATIONS
\$250 TO \$999

ORGANIZATIONS
Up to \$249
GG ASHRAE Golf Tournament

INDIVIDUALS
Over \$1000
Glenn Friedman

INDIVIDUALS
Up to \$249
Jason Lesser
Alyse Falconer
Brian Chacon
Jeremy Martinez
John Gardner
Juliana Valez



Donations are tax deductible, by check, credit card or online at www.ashrae.org/contribute

Mail Checks to: ASHRAE RP: 1791 Tullie Circle, NE: Atlanta, GA 30329

For more information, please visit Research and Promotions section on www.ggashrae.org or contact RP Chair Brian Chacon at (415) 742-9350, or bchacon@ascenthvac.com

GOAL:
\$27,750
CONTRIBUTIONS:
\$20,000.00

2020 TECHNOLOGY AWARDS

Congratulations to the 2020 Golden Gate chapter technology award first place winners!

REECE KIRIU from TAYLOR ENGINEERING for his Kaiser Permanente - Vallejo Medical Offices project

JEFFREY BLAEVOET from GUTTMANN & BLAEVOET for his Presidio Theater - Renovation & Additions project



REDWOOD EMPIRE UPDATE

Save the Date:

REDWOOD EMPIRE GOLF TOURNAMENT
October, 30 2020



A Class for Control Freaks: Getting the Most from your Building Automation System

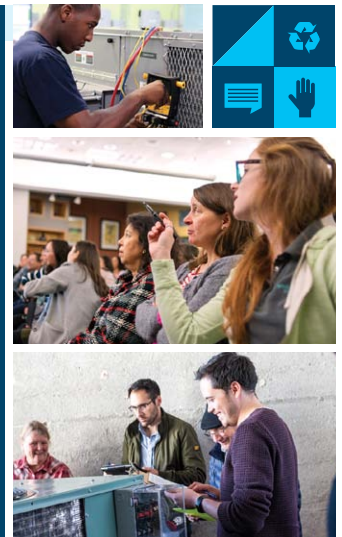
This class will explore common control strategies including schedules, setbacks, resets, lockouts, demand control ventilation, CO controllers, economizer operation, and the control of variable speed equipment. We will also look at strategies for diagnosing improper operation of building automation systems using graphics from these systems, trend data and data from loggers.

Thu June 18, 2020, 8:30 am to 4:30 pm, Webinar

Register: <https://pge.docebosaas.com/learn/course/external/view/webinar/302/a-class-for-control-freaks-getting-the-most-from-your-building-automation-system>

PG&E ENERGY CENTERS
SPRING 2020 PREVIEW

Classes and resources to help you gain new skills and fuel your future



Residential Heating and Air Conditioning for All-Electric, Climate Smart Homes

John Proctor P.E. describes the critical steps to create HVAC systems that deliver excellent energy efficiency with improved comfort. These outcomes can be achieved in a well-constructed building enclosure when equipment is properly sized and the performance of the whole system is tested during and after installation.

Thu June 18, 2020 9:00 am – 10:30 am, Webinar

Register: <https://pge.docebosaas.com/learn/course/513/session/181/residential-heating-and-air-conditioning-for-all-electric-climate-smart-homes>

Energy Audit Bootcamp

During this two-day workshop, instructors focus on the audit process and foster attendees' ability to identify energy efficiency and operations opportunities at existing facilities. Technologies covered will include lighting, mechanical systems, motors, refrigeration and controls. The training will include a number of exercises including mock energy audit activities.

Mon June 22 – Tue June 23, 2020 8:30 am to 4:30 pm on both days, Webinar

Register: <https://pge.docebosaas.com/learn/course/external/view/webinar/538/energy-audit-bootcamp>

Chilled and Condenser Water Systems: Design, Performance, and Commissioning

Learn how to understand the operation of equipment typically found in water-cooled chilled water systems including chillers, cooling towers and heat exchangers. The instructor will cover how to recognize various control strategies for chilled water systems, how these strategies interact and how they can save energy. Using three-dimensional (3D) models, this class explores topics such as variable-flow, primary-secondary chilled water plants and water-side economizers.

Wed June 24, 2020, 8:30 am to 4:30 pm, Webinar

Register: <https://pge.docebosaas.com/learn/course/external/view/webinar/383/chilled-and-condenser-water-systems-design-performance-and-commissioning-issues>

Continued on next page

Advanced Framing for Energy and Resource Efficiency

This class covers advanced designs and construction methods for optimizing building enclosures and the implementation of advanced framing in residential and low-rise commercial wood framed buildings. Optimizing building envelopes by reducing the framing factor leads to lower air leakages, less thermal bridging, and effective and high R-values.

Wed June 24, 2020 9:00 am - 4:30 pm, Webinar

Register: <https://pge.docebosaas.com/learn/course/262/session/37/advanced-framing-for-energy-and-resource-efficiency>

Existing Building Commissioning Workshop Series

Building commissioning is a growing industry in need of qualified professionals with a specific skill set. Building commissioning is now a required element of Title 24, California's energy code, and sustainability rating systems like LEED. The challenge for most engineering firms is finding qualified candidates with commissioning field experience. The Existing Building Commissioning (EBCx) 14-part workshop series is designed to develop these required skills. This class is intended for in-person participation, however due to COVID-19 concerns the first session will be held as a webinar. It is our hope that subsequent classes will be held in-person and we will make that decision a month ahead of each class date.

14-part series - first session on Thu June 25, 2020, 8:30 am to 4:30 pm, Webinar

Register: <https://pge.docebosaas.com/learn/course/external/view/webinar/539/existing-building-commissioning-workshop-series-16>

Efficient Hot Water Systems for All-Electric, Climate Smart Homes

Gary Klein outlines the steps to designing a water, energy, and time-efficient hot water system for an all-electric home that also reduces greenhouse gas emissions. Gary will describe an updated approach that reduces the energy used in water heating, while also reducing water waste and improving occupant satisfaction.

Thu June 25, 2020 9:00 am – 10:30 am, Webinar

Register: <https://pge.docebosaas.com/learn/course/510/session/180/efficient-hot-water-systems-for-all-electric-climate-smart-homes>

The Quest for Performance and California Code Commissioning Requirements

The focus of design-phase compliance requirements for building commissioning has shifted with the 2019 Title 24 code changes. Attend this webinar to learn about this shift and the new requirements for design-phase commissioning services, as well as obtain a more comprehensive understanding of the code requirements with respect to commissioning.

Mon June 29, 2020, 11:30 am to 1:30 pm, Webinar

Register: <https://pge.docebosaas.com/learn/course/external/view/webinar/531/the-quest-for-performance-and-california-code-commissioning-requirements>

Basic Heating, Ventilating and Air Conditioning

Technicians, maintenance workers and other new-comers to the field will learn the basics of HVAC systems in both residential and commercial applications. Attendees will learn how various HVAC systems and applications can reduce energy as well as which units have the best overall value.

Tue June 30, 2020, 8:30 am – 12:30 pm

Register: <https://pge.docebosaas.com/learn/course/external/view/webinar/482/basic-heating-ventilating-air-conditioning>



Mitch Pinsker, Government Affairs Committee Chair (GAC Chair)

Members of ASHRAE's Epidemic Task Force Brief Congressional Committee on COVID-19 and Buildings

On May 18, Dr. William Bahnfleth, Chair of ASHRAE's Epidemic Task Force (ETF), and ETF Members Dennis Knight and Wade Conlan briefed staff of the U.S. House of Representatives Committee on Energy and Commerce on the work of the ETF. The ASHRAE members provided an overview of how indoor air quality affects building occupants, methods for improving building health, ASHRAE's guidance to minimize the risk of viral transmission in building HVAC systems and recommendations for Congress. The presentation from the Congressional briefing can be found here: https://images.magnetmail.net/images/clients/ASHRAE/attach/Government_Outreach_Article.pdf

Wisconsin Guidance for Reopening Buildings Includes ASHRAE Resources

The State of Wisconsin has issued COVID-19 health guidelines for various types of businesses and workplaces that are reopening. ASHRAE guidance is specifically mentioned in the guidelines for manufacturing, retail, warehouse and wholesale, gyms and fitness facilities. Wisconsin's various guidelines for reopening can be found here: <https://wedc.org/reopen-guidelines/>

Michigan Governor Reopening includes HVAC Measures

The "Michigan Safe Start Plan," issued on May 7 requires HEPA filters on HVAC units in the workplace. Full text (https://www.michigan.gov/documents/whitmer/MI_SAFE_START_PLAN_689875_7.pdf). Additionally, construction, real estate activities and work "traditionally and primarily performed outdoors" resumed on May 7. The order allows plumbers, electricians, HVAC technicians and other building trades to return to work.

Inside Sales Engineer at a Manufacturer's Rep Firm

We are looking for a detail-oriented person with excellent communication skills to work at a Marin based Manufacturer's Rep. Products include flow meters, gas sensors and pressure controls.

- Respond to customer needs for order processing and pricing.
- Coordinate with Outside Sales people to send quotes and get order status.
- Place, track and bill orders and follow up on AR.
- Good human relation skills, customer service ability, clear communication.
- Computer skills, HVAC knowledge or ability to learn.

For full job description or to submit resume to:

info@baysidehvac.com, 415-333-5099 x4, www.baysidehvac.com

Thermal Research Engineer

Treau is a seed-stage hardware startup in San Francisco, CA making home heaters and air conditioners that are better for the environment, easier to install, and more pleasant to use.

We are hiring a Thermal Research Engineer to optimize our thermodynamic devices by guiding the choices of components and operating parameters. The engineer will use experiments and simulations to accomplish this goal.

Ideal candidates will have an MS or PhD in Mechanical Engineering or equivalent field, and a track record of solving open-ended problems through creative thinking. Experience with LabVIEW and Python or MATLAB is preferred but not required.

Contact information:

10B18D9263@jobs.workablemail.com

Mechanical Engineer - PACE Engineering, Inc

PACE Engineering, Inc., Redding, California has an opening for an experienced mechanical engineer beginning immediately. Candidates must have a BS in Mechanical Engineering and equivalent to 5+ years of experience.

PACE is a mid-sized (50 employees) multi-discipline engineering firm. Our range of mechanical engineering projects include working with architectural and other engineering professionals to create HVAC, piping, plumbing, control systems and fire suppression designs for schools; offices; hospitals; power utilities; water and wastewater utilities; and other facilities.

PACE offers industry wide competitive salary and benefits, as well as ownership potential, in a community with low cost of living.

Send resumes to PACE Engineering, Inc., 1730 South Street, Redding, CA 96001,

or email to klayton@paceengineering.us

Mid-Level HVAC Engineer, R&A Engineering Solutions, Sacramento, CA

R&A Engineering Solutions is seeking an HVAC Engineer with 4-7 years experience, who would be responsible for representing the Firm while managing small to mid-size projects. OSHPD experience preferred. Required skills include building load calcs, energy modeling, and HVAC system design. The position will include establishing project scope, performing field surveys, and clearly directing staff through the design process.

Established in 1976, R&A is a leader in the design of Healthcare and Institutional Facilities. We offer full medical/dental benefits, 401k plan and competitive salary based on experience.

Please submit a resume and cover letter to braden@ra-solutions.com.

Senior Commissioning Engineer

Our innovative, award winning firm is currently looking for a highly motivated individual to join our Commissioning Team.

If you are a knowledgeable self-starter who is passionate about making buildings work, who sweats the details and is dedicated to providing high quality work and service, who has the skills to make communication a powerful tool for success, and who thrives on working with a values-driven, ambitious, fun, life-loving team, then you should come meet us!

Our company's mission is to innovate, enhance lives, and improve the world through elegant, affordable, and ecologically responsible solutions for the built environment. Our Commissioning Team supports this Mission by successfully delivering to our clients high-performance buildings that work.

RESPONSIBILITIES:

- Manage multiple commissioning projects, including client interface, team coordination, schedule and budget management.
- Contribute to improving commissioning processes and creating best practices.
- Perform detailed engineering peer reviews of construction documents.
- Perform the technical analysis necessary to interpret and troubleshoot building operations.
- Communicate to a wide range of client stakeholders.
- Work effectively as a team member.
- Develop high quality commissioning plans, reports, pre-functional and functional test procedures.
- Perform jobsite observations and field testing.

REQUIRED QUALIFICATIONS:

- 5+ years of professional working experience as a Commissioning Engineer or Commissioning Authority, or 8+ years in a MEP consulting environment, or 10+ years in construction/construction management with a focus on MEP systems.
- Bachelors degree in Engineering or related discipline.
- Understanding of HVAC system design and operation.
- Willingness and ability to travel for client engagements.
- Ability to climb ladders and safely get around construction sites.
- Reliable means of personal transportation.
- Excellent written and verbal communication skills

DESIRED QUALIFICATIONS:

- Professional Engineering license
- Recognized Building Commissioning Certification (BCxP, CCP, CxA, etc.)
- Knowledge of applicable codes and standards: California Energy Code, CALGreen, ASHRAE Standards, etc.

Our company is JUSTSM certified, a certified Green Business, and a 2017 Best Places to Work award recipient. We offer competitive compensation and a comprehensive benefits package, including health and dental insurance, long term disability, vision care, cafeteria plan, commuter checks, and a 401k plan. More importantly, we offer a place where your contribution will be valued and rewarded. We will provide an exceptional working environment for talented individuals who want to create high performance buildings that work.

To apply: Please send your resume, cover letter, and salary history to hr@gb-eng.com.

Board of Governors

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