



# PIPELINE

FUEL FOR YOUR BUSINESS

JAN/FEB 2025

THE NEWSLETTER OF UTAH'S HVACR INDUSTRY

153 SOUTH 900 EAST, #3 • SLC, UT 84102 • WWW.UTRMGA.ORG



**STAR WARS**  
MAY THE **FARCE** BE WITH YOU!  
**RMGA SWEETHEART SOCIAL SAT., FEB. 15TH**

JOIN US FOR THE ANNUAL Sweetheart Social at **Desert Star Playhouse on Saturday, February 15**. Beginning at 5:30 PM, we'll enjoy a **group dinner in the Desert Star theater, followed by the musical comedy show** that begins at 6:00 PM (4861 South State Street, Salt Lake City, UT 84107).

About this show: *When the evil Empress threatens to take over the galaxy, it's up to a dazzling princess, an unsuspecting farm boy, and a dashing lounge-singer to save the cosmos! Will they thwart the Empresses devious plan in time, or will the galaxy be lost to tyranny forever? Blast off into a parody far, far away, and may the farce be with you!*

**Couples (\$80) and Singles (\$40) welcome!**  
**Limited seating; Email or call today to reserve tickets: [utrmga@gmail.com](mailto:utrmga@gmail.com) or 801-521-8340. ■**



**Learn Manual J, D, and S Design Practices 3-Day Series**  
Prices: \$350/Contractor • \$150/Inspector

**BECOME ACCA CERTIFIED!**

Price includes:  
All Manuals (including Manual T),  
a Duct Calculator,  
Instruction & Lunches  
all 3 days!

Join Ed Janowiak, ACCA's manager of HVAC design education, to learn how to perform a proper HVAC design with or without design software.

**Manual J: Tuesday, April 22, 2025**  
**Manual D: Wednesday, April 23, 2025**  
**Manual S: Thursday, April 24, 2025**  
**ALL CLASSES 8:00 AM to 4:30 PM**

Location: Hercules Industries  
475 N Billy Mitchell Road  
Salt Lake City, UT 84116

Register by emailing [RMGAUTAH@gmail.com](mailto:RMGAUTAH@gmail.com) or calling 801-521-8340

Scott Carpenter  
scott@legendsmechanical.com  
801-599-8563 Utah  
208-466-1773 Idaho

## MESSAGE FROM OUR PRESIDENT

SCOTT CARPENTER



*Dear RMGA Members & Friends,*

*The HVAC industry has experienced a dynamic year, marked by evolving consumer demands, technological advancements, and the ongoing need for energy-efficient solutions. Rising energy costs have driven homeowners to seek out more efficient heating and cooling systems, leading to increased demand for high-efficiency options. This shift has spurred innovation within the industry, with manufacturers continually developing advanced technologies that improve energy efficiency and reduce environmental impact.*

*Looking ahead, the industry faces both challenges and opportunities. The skilled labor shortage remains a concern, impacting the ability to meet the growing demand for installation and service. However, this challenge presents an opportunity for the industry to invest in training programs and attract a new generation of skilled technicians. Furthermore, the integration of smart home technology continues to reshape the HVAC landscape, with advancements in Wi-Fi thermostats, smart vents, and remote system monitoring offering homeowners' greater control and convenience. **As our industry navigates these trends, collaboration between manufacturers, contractors, and industry associations like ours will be crucial to ensure a sustainable and prosperous future.***

*I would like to take this time to express a very sincere thank you to all the RMGA board members for their work and input this last year. I would also like to wish all our members a very happy holiday season!*

*Best wishes and we look forward to a great 2025,*

## RMGA BOARD BRIEFING NOV/DEC 2024

The board approved adopting an "auto-renewal" dues policy for next year.

RMGA awarded two additional \$500 scholarships: One Davis Tech student and one MTech student.

It was reported that the Wyoming Legislature's Housing Production and Contractor Licensure Interim study hasn't met yet, according to Lance Ball, who at our December board meeting was voted in as a Wyoming RMGA board member, reported: "Nothing new from the Governor's office. We had a family of 3 killed in Riverton from Carbon Monoxide poisoning at the beginning of this month. It was found to be related to the water heater.

And Rick Mair with Enbridge, WY was encouraged that Wyoming is considering RMGA Certification adoption, and has meetings set with Lower Valley Gas, the WY State Construction Dept, and a couple influential Wyoming State Senators.

We discussed Legislative Issues, and Reinstating the Lien Recovery Fund is off the table for the time being without enough support from Suppliers. The Building Inspector bill is still in the works with Ryan Rentmeister serving on an HBA Committee to keep us up to speed on further developments.

During our on-going discussion of promotional items with the RMGA logo, the board nixed a 10 — 1 screwdriver. Now we're considering an insulated lunch bag and flashlights with our logo. In addition, an RMGA Challenge Coin was approved and is heading to production!

**Our next board meeting is on ZOOM at 11:00 a.m., on Wednesday, January 8th. ■**

# 2025 RMGA GAS CERTIFICATION CLASSES

You can now request registration on the new RMGA website: <https://utrmga.org/certification>

CALL 801.521.8340  
OR EMAIL  
RMGAUTAH@GMAIL.COM  
TO REGISTER



## JAN IN-PERSON

(And on Zoom)

### Salt Lake City

Thursday, January 9  
Friday, January 10 &  
Saturday, January 11

8 a.m. - 5 p.m.

Enbridge Gas CTC Room  
1000 West 100 South  
Salt Lake City, Utah 84104

## MAR IN-PERSON

(And on Zoom)

### Salt Lake City

Thursday, March 13  
Friday, March 14 &  
Saturday, March 15

8 a.m. - 5 p.m.

Enbridge Gas CTC Room  
1000 West 100 South  
Salt Lake City, Utah 84104

## MAY IN-PERSON

(And on Zoom)

### Salt Lake City

Thursday, May 8  
Friday, May 9 &  
Saturday, May 10

8 a.m. - 5 p.m.

Enbridge Gas CTC Room  
1000 West 100 South  
Salt Lake City, Utah 84104

All Certification Classes are \$400. Price includes the RMGA Study Guide, IFGC, online video access, 24 hours of instruction, and 2 attempts at the exam (if necessary). Technicians should attend ALL sessions. In-person attendees should bring lunch or plan to visit a local restaurant during the lunch hour. **Take the Pre-Test to evaluate your readiness for the exam at <https://utrmga.org/pre-test/>**

*Partial funding of RMGA training programs has been provided by the Division of Occupational & Professional Licensing from the 1% surcharge funds on all building permits.*

**RMGA Spanish  
Language  
Certification  
Study Guides are  
available for  
\$125, with free  
shipping!**

# MECHANICAL CODE

## Clearing the Air: Ventilation, Infiltration, Exhaust, Make-up, and Combustion Air

# DISCUSSION

THE WORD *Ventilation* is found in the title of **six** of my Code Discussions, first in the 2009 Nov/Dec RMGA Pipeline Newsletter, most recently in the *2024 March/April RMGA Pipeline Newsletter*. Certainly, as homes built today are tighter in construction than those built in November 2009, we must address indoor air quality (IAQ) in new and improved existing buildings.

Revisiting a few definitions from previous discussions:

### **2021 IRC/IMC: VENTILATION.**

The natural or mechanical process of supplying conditioned or unconditioned air to, or removing such air from, any space

### **2021 IRC/IMC VENTILATION AIR.**

That portion of supply air that comes from the outside (outdoors), plus any re-circulated air that has been treated to maintain the desired quality of air within a designated space.

### **2021 IMC/IRC WHOLE-HOUSE VENTILATION SYSTEM.**

An exhaust system, supply system, or combination thereof that is designed to mechanically exchange indoor air for outdoor air where operating continuously or through a programmed intermittent



schedule to satisfy the whole-house ventilation rate.

### **Commentary Comment:**

Ventilation air is supplied to remove or dilute indoor air contaminants. In the context of IMC Chapter 4, ventilation air is 100-percent outdoor air that is not re-circulated.

Recently Jamie Schumacher and I have had several discussions on the same subject, identifying several common misunderstandings HVAC contractors, general contractors, design professionals, and inspectors have with the building science and code requirements for ventilation systems. Often these misunderstandings lead to poor building performance, poor IAQ, and moisture issues. I've received so many requests for additional information and training on the

subject, I will be presenting a 3-hour Utah Energy Code Lunch & Learn Class, January 23, 2025 at the Salt Lake Community College Larry Miller Campus in Sandy. Watch for an announcement on this class.

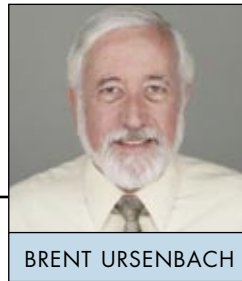
Codes and construction practices today result in tighter

buildings, potentially saving energy, improving comfort, and durability. These tighter building practices reduce infiltration, the uncontrolled leakage of air into a building. Our current energy code includes specific air sealing requirements and in many cases blower door testing of structures, verifying the building has reduced leakage, achieving the level of tightness required by the code.

As building tightness increases, we must address ventilation, bringing in fresh outside air, and/or exhausting contaminants to outside. Contaminants include carbon dioxide, carbon monoxide, chemicals, smoke, moisture, odors, and more.

Discussions in the January *Lunch & Learn* and in future *Code Discussions* will include:

1. Clarify the definitions for



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natural, mechanical, whole house, balanced, supply, and exhaust ventilation.

2. Mandatory ventilation requirements – triggers, why, benefits, energy impact, options.
3. Potential building component damage and failures due to improper ventilation.
4. Why not just build a leaky thermal envelope? Or open a window?
5. Residential ventilation calculations – how much air is required.
6. Ventilation using exhaust or supply, or a combination of exhaust and supply.
7. HRV and ERV balanced ventilation system – how they work and benefits.
8. Make-up Air – why and when, can we provide it with the ventilation systems including HRV and ERVs? Range hoods and other exhaust fans exceeding 400 CFM.
9. Tempering make-up air, furnace temperature rise, and the serious potential of damaging heat exchangers due to drawing cold outside air into the furnace.
10. Combustion air from inside or outside. Please do not consider using inside air for combustion in any new construction application.
11. Open combustion vs direct vent gas appliances.

12. Other exhaust systems – bath fans for odors and moisture, dryers (gas and electric), craft rooms, and fireplaces (wood powered exhaust fans). How do we provide proper make-up air with variable exhaust flows.

We'll dig deeper into many of the above items in future discussion and in classes. Please share with me your thoughts, opinions, share experiences, or ask questions. bursenbach@gmail.com

*Happy New Year! Wishing you a year filled with joy, prosperity, and exciting new beginnings.*

—Brent ■

**WELCOME OUR NEW RMGA MEMBERS!**



**ONE HOUR HEATING AND AIR OF OGDEN**

Jason Burt  
1501 W 2650 S Unit 103  
Ogden, UT 84401  
www.utahonehourair.com  
jason@onehourutah.com

**IDAHO GEOTHERMAL LLC**

Jason Fuller  
1380 E Commercial Dr Ste 103  
Meridian, ID 83642  
208-288-2098  
jason.idahogeo@gmail.com  
www.idahoheating.com

**HEATING AND COOLING GUYS**

Mikel Taylor  
687 N 2000 W Ste 10  
Springville, UT 84663  
heatingguys@yahoo.com  
theheatingandcoolingguys.com

# Meet and Get to Know: JASON BURT

**Q.** Tell us about your company. . .

**A.** One Hour Heating and Air is a multinational franchise that started in 2002. Our branch is brand new and became operational on November 1, 2024. It is independently owned and operated by Matthew McFarland, who is a semi-absentee owner.

**Q.** What is your position within the company?

**A.** I am Operations Manager. I was hired to run the company and build us to be a great addition to the HVAC community in Northern Utah and eventually across the Wasatch Front.

**Q.** If you weren't an HVACR Contractor, what would you like to be?

**A.** Running a business somewhere. Or a musician.

**Q.** What was your most unusual work experience?

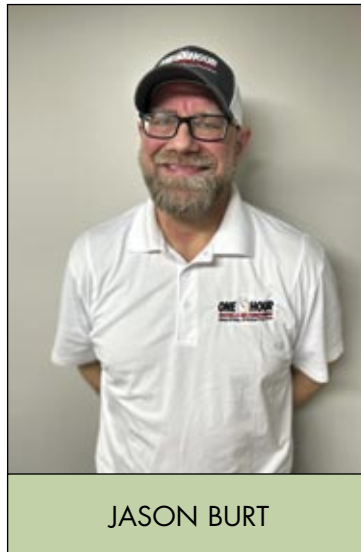
**A.** Showing up to an install where the customer had passed away between the day we sold, and the following day being the day we were installing.

**Q.** What are your favorite aspects of your job?

**A.** I love coming up with solutions to difficult problems. Whether it's a home that has never been really comfortable, or a department that hasn't been profitable. Finding something that works to fix those is the best!

**Q.** Do you have a motto to live by?

**A.** When you change the way you look at things, the things you look at change.



**Q.** If you could travel anywhere in the world, where would you go?

**A.** The Mediterranean coast somewhere.

**Q.** What is your favorite hobby?

**A.** Playing the guitar.

**Q.** When did you last do it?

**A.** It's been WAY TOO LONG . . . years.

**Q.** Tell us about your hidden talent.

**A.** I don't know of any . . . maybe a closet infatuation with Psychology and understanding (trying to understand) mental illness.

**Q.** If you won a \$50,000,000 dollar lottery, what would you do?

**A.** Get out of debt on everything. Do surrogacy with my wife, so we can have a family.

**Q.** Do you have a favorite movie?

**A.** The Dark Knight trilogy probably.

**Q.** If you could invite any three people to dinner (dead or alive), whom would you invite and why?

**A.** Jesus Christ, Abraham Lincoln and my wife.

**Q.** People would be surprised to know . . .

**A.** I am very introverted, I have learned to be outspoken and social when I need to be, but actually I am very shy, and prefer to be a home body. ■

*Jason Burt is Operations Manager of One Hour Heating and Air of Ogden, and he can be reached at [jason@onehourutah.com](mailto:jason@onehourutah.com), [www.UtahOneHourAir.com](http://www.UtahOneHourAir.com).*

# Prevent Distractions: Choose to Plan Ahead Before Driving

A recent study estimates that 29% of all traffic-related deaths are due to distractions.<sup>1</sup> Ultimately, you and your employees need to make choices that impact everyone's safety and well-being while driving. One way to do this is to plan ahead before driving by using the following tactics:

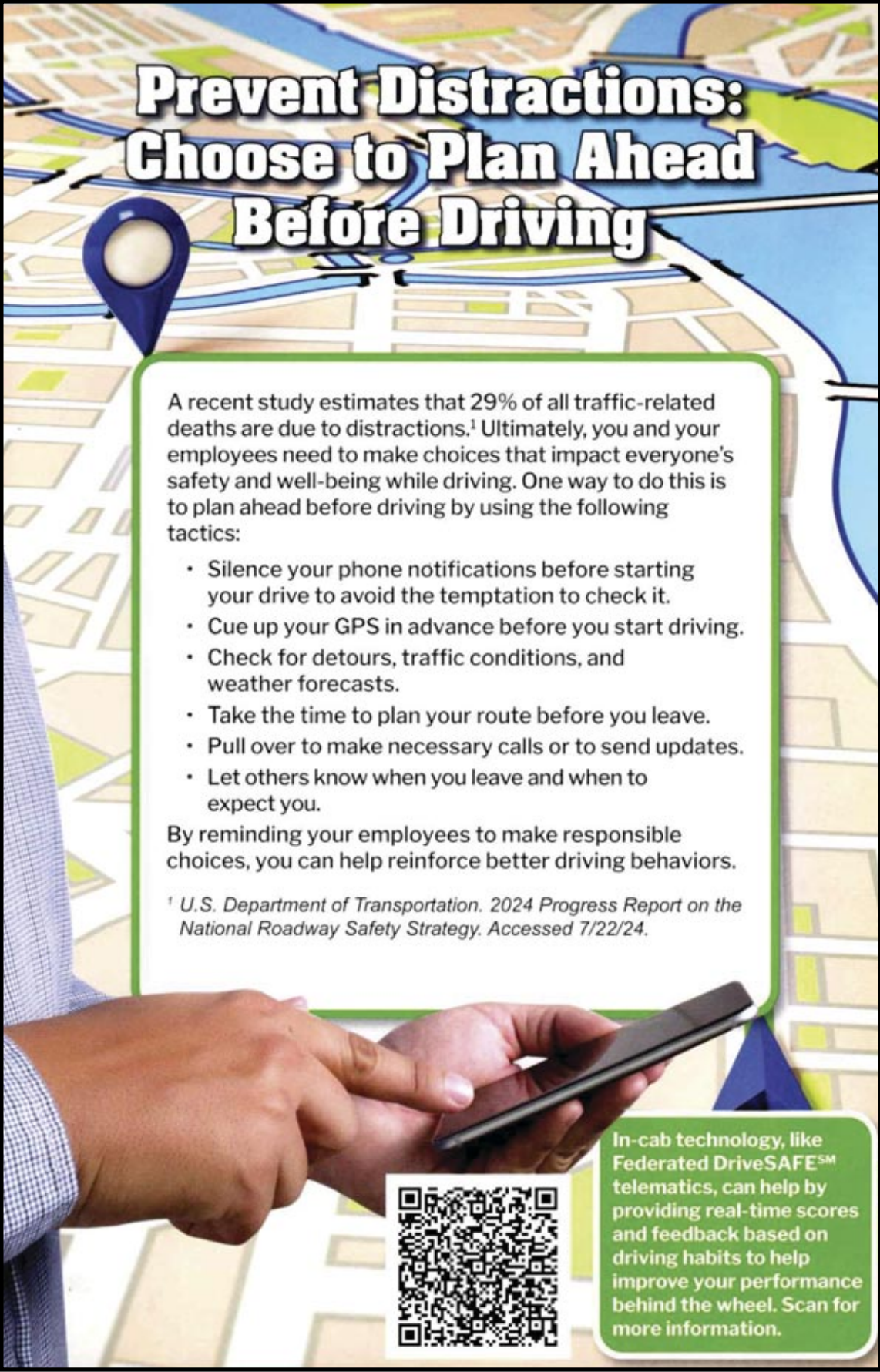
- Silence your phone notifications before starting your drive to avoid the temptation to check it.
- Cue up your GPS in advance before you start driving.
- Check for detours, traffic conditions, and weather forecasts.
- Take the time to plan your route before you leave.
- Pull over to make necessary calls or to send updates.
- Let others know when you leave and when to expect you.

By reminding your employees to make responsible choices, you can help reinforce better driving behaviors.

<sup>1</sup> U.S. Department of Transportation. 2024 Progress Report on the National Roadway Safety Strategy. Accessed 7/22/24.



In-cab technology, like Federated DriveSAFE<sup>SM</sup> telematics, can help by providing real-time scores and feedback based on driving habits to help improve your performance behind the wheel. Scan for more information.





# PIPELINE

FUEL FOR YOUR BUSINESS

RETURN SERVICE REQUESTED

153 SOUTH 900 EAST, #3  
SALT LAKE CITY, UT 84102

## Congratulations to RMGA \$500 Scholarship Winners for 2024! Adam Merry & Sterling Norman

