

## *Dates & Locations:*

### Missoula, MT.

Tuesday  
May 1st, 2018  
8:00 am - 4:00 pm

@

StoneCreek Lodge  
5145 Airway Blvd  
Missoula, MT

(Take the Airway Blvd Exit west of Reserve St Exit)

Sponsored by



### Bozeman, MT.

Wednesday  
May 2nd, 2018  
8:00 am - 4:00 pm

@

Bozeman Shops Complex  
814 N Bozeman  
Bozeman, MT

Sponsored by



Montana Rural Water Systems  
925 7th Avenue South  
Great Falls, MT. 59405  
Phone: 406-454-1151  
Fax: 406-454-3116  
E-mail: [mrws@bresnan.net](mailto:mrws@bresnan.net)  
Website: [www.mrws.org](http://www.mrws.org)

## Special Thanks to **George Whittaker** District Manager of **Core & Main**

Core & Main is sponsoring the lunch for this Training Session.

### ABOUT OUR SPEAKERS:

**JUSTIN WARD** graduated from Eastern Washington University in 2014 with a BA in Communications. He was hired by Mueller Co as a Junior Sales Representative. He moved to Decatur IL and traveled the country with the Mueller Training Van that gives comprehensive training classes covering all of Mueller's many products. In 2015, Justin was promoted to Territory Manager in Territory 98 for Mueller (West Texas). After 16 months he was transferred to Spokane as the Territory Manager for Territory 37 (Eastern Washington, Idaho, Montana).

**JACOB MCGOUGH** After graduating from Westwood College with a degree in computer aided design and mechanical drafting, Jacob started working in the ornamental & structural steel world doing fabrication and design work using AutoCAD. He transitioned to the waterworks industry in 2006 with a sluice and slide gate manufacturer. He has extensive travel all over the US doing various project startups and field service calls for the water, wastewater and dam industries. In 2010 he joined forces with Pipestone Equipment as a manufacturer's representative.

### PRE-REGISTRATION

Please E-mail the MRWS Office or call to Pre-Register for this training. We need a head count so Core & Main can order the meals.

E-mail: [mrws@bresnan.net](mailto:mrws@bresnan.net)  
PH: 406-454-1151

# Montana Rural Water Systems

Presents

## Mueller Hydrant & Valve Training

Tuesday & Wednesday,  
May 1st and 2nd, 2018

Sponsored by:



Guest Speakers:

**Justin Ward / Mueller Company**

**Mueller Co.**

**Jacob McGough/Pipestone Equip.**



No Registration Fee !!  
CEC's: 0.70 Water

## About This Training Session:

*This training session is being instructed by Justin Ward of Mueller Company and Jacob McGough with Pipestone Equipment. This training welcomes municipalities with any brand named valves and will be presented in a diverse platform. Questions are encouraged which will be answered in an open forum.*

**Justin Ward**

Territory Manager—Western District

**Mueller Company**

Cell: (509) 842-0955

[jward@muellercompany.com](mailto:jward@muellercompany.com)

**Jacob McGough**

Application Engineering / Sales

**Pipestone Equipment**

Cell: (303) 522-1175

[jmcgough@pipestoneeq.com](mailto:jmcgough@pipestoneeq.com)

**For Additional Information**

**Please Contact:**

**Julie Allen, 406-438-2070**

**Or the MRWS Office**

**406-454-1151**

### ADA Meeting Announcement Statement:

MRWS will make reasonable modifications for persons with disabilities who wish to participate in this public training. If you would like to request an accommodation, contact the MRWS office at least 5 days prior to the event to advise us of the nature of the accommodation that you need.



**NOTE:** Please E-mail or call MRWS to **Pre-register** (Need Headcount for Lunch)

### Training Agenda

**8:30— 9:00am** Registration/Sign-in

**9:00—12:00pm** Mueller Co. training on the following items (Justin Ward):

- (1) Valves—Gate and Butterfly
- (2) Smart Water Technology—Remote Pressure Monitor; Hydro-Guard (Automated Flushing)
- (3) Hydrants—Maintenance; Troubleshooting; Manufacturing

**12:00— 1:00 pm** **Lunch Provided by Core & Main**

**Hydraulic Control Valves & Smart Vault Solutions with IoT Leak Detection - (Utility of the Future) (Jacob McGough)**

**1:00 - Smart Cities and Towns:**

- You can not manage what you do not understand
- ASCE report card
- Start small, think big

**1:15 - Main Valve Body Basics for Hydraulic Control Valves:**

- Main Valve Basics
- Hydraulic principles of operation (how it works)
- Basic hydraulics

**2:00 - Take apart a 6" Hydraulic Control Valve—Hands on**

**2:30 - Types of Hydraulic Control Valves:**

- Various types of valves (i.e. pressure reducing, pressure sustaining/relief, booster pump control, flow limiting, altitude, surge protection)
- Hands on – Take apart a pressure reducing pilot

**3:00 - Electronic Control & Smart Vault Solutions with IoT Leak Detection**

- Differences between mechanical and electronic solutions
- Entering the smart vault model
- Internet of things (IoT) - Mobile (smartphone) and permanent leak detection solutions

**4:00 - Wrap up and collection of forms**

