

COLORADO ASSOCIATION OF STORMWATER AND FLOODPLAIN MANAGERS

2480 W. 26th Ave., Suite 156-B

Denver, CO 80211

www.casfm.org



Date/Time: Thursday, March 8, 2018, 9:00 – 11:00 am
Hosted by: Jacobs/CH2M
Location: 9189 S. Jamaica Street, Englewood, CO 80112
North Building, Conference Room N-2 North
Remote: Phone: 1-720-286-3333; Access Code: 38081695

GENERAL MEMBERSHIP MEETING ATTENDEES:

CASFM Officers:

Chair – Deb Ohlinger, Olsson Associates
Vice Chair – Morgan Lynch, UDFCD
Secretary – Stacey Thompson, SEMSWA
Treasurer – Myles Gardner, Jacobs/CH2M
SE Region Rep – Kevin Binkley, Colorado Springs Utilities
NW Region Rep – Jonathan Kelly, Wright Water Engineers – *by phone*
NE Region Rep – Andrew Fisher, City of Greeley – *by phone*
Metro Denver Region Rep – Debbie Fisher, Water Engineering Solutions – *by phone*

CASFM Committee Chairs:

Annual Conference –
Sarah Houghland, Enginuity Engineering Solutions (Chair);
Stuart Gardner, CDOT (Facilities) – *by phone*;
Alan Turner, Jacobs/CH2M (Registration)
Flood Technical Assistance Partnership – Brian Varrella, CDOT – *by phone*
Floodplain Management, Chris Hodyl, J3 Engineering – *by phone*
Outreach & Training –
Emily Villines, Calibre Engineering (Co-Chair);
Saman Mehdi, Jacobs/CH2M (Website Co-Chair) – *by phone*
Tyler Rosburg, ICON Engineering – (Training Co-Chair)
Young Members Group – Jeremy Deischer, ICON Engineering (Chair)

CASFM Members:

Kevin Houck, CWCB
Stephanie DiBetitto, CWCB
Shea Thomas, UDFCD (Immediate Past Chair)
Robert Krehbiel, Matrix Design Group
Paul Anderson, CDM Smith
Danny Elsner, Dewberry
Dave Bergh, Jacobs/CH2M
Jared Coleman, Jacobs/CH2M
Theresa Ring, Jacobs/CH2M
Frans Lambrechtsen, Jacobs/CH2M
Doug Stewart, Jacobs/CH2M

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Keith Curtis, PPRBD

Jason Messamer, Colorado Springs Utilities

Brent Kaslon, Valerian – *by phone*

Matt Jones, Atkins – *by phone*

GENERAL MEMBERSHIP MEETING AGENDA:

I. Call to Order – *Deb Ohlinger*

- A. Meeting called to order. It was announced that the agenda with committee reports was posted to the website for those participating via phone.
- B. Thank you to Jacobs/CH2M for hosting.

II. Secretary Report – *Stacey Thompson*

- A. Minutes from the January 11, 2018 General Membership Meeting were distributed for review.
- B. No changes were made. Motion to approve by Alan Turner, 2nd by Shea Thomas; approved unanimously.

III. Treasurer Report – *Myles Gardner*

- A. The final 2017 Treasurer's Report was presented for review.
 - 1. Expenses totaled 74% of the budget.
 - 2. Net income was 107% of the budget.
- B. Motion to approve the 2017 Treasurer's Report by Alan Turner; 2nd; approved unanimously.
- C. Currently, \$105k in checking and \$22k in savings.

IV. Vice Chair Report – *Morgan Lynch*

- A. The Winter Newsletter was issued in the new, snapshot format.
- B. The next newsletter will be issued during this summer/fall and will be in the traditional format. Morgan will coordinate with Committee Representatives for articles.

V. Committee/Regional Representative Summary

- A. Written reports are enclosed. Deb highlighted upcoming meetings:
 - 1. The Stormwater Quality Committee will be meeting next on May 3 at UDFCD and is seeking input for the annual BMP field trip.
 - 2. The Flood TAP Committee will meet on April 2 in a joint meeting with the USACE Silver Jackets.
 - 3. The first Metro Region Social will be held on March 15 at 240 Union with a presentation by Andrew Earles, Vice President of Water Resources at Wright Water Engineers, with an overview of mud and debris flow hazards.
 - 4. The NW and SW Regions Western Slope Annual Seminar is scheduled on April 6. Save-the-date and registration information will be sent out to the membership shortly.

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VI. Outreach and Training – Emily Villines

- A. Written update enclosed.
- B. Emily reminded the group to share the committee meeting information for posting to the website.
- C. Emily and Tyler Rosburg have been organizing two training events based on feedback received from the 2017 training survey. Emily thanked Tyler for his time and effort to coordinate these events.
 1. Soft skills – Collaboration Training with instruction provided by the Employer's Council. Date and location to be determined. It will either be held at the Employer's Council Office or UDFCD.
 2. Technical – Considering the HEC-RAS Sediment Transport course lead by West Group. Similar courses have been successful in the past. Date and location to be determined.
 3. Total cost for both trainings is approximately \$11k. Registration fees should generally cover costs. Discussion if CASFM should support the trainings and cover the costs for the venue, food and equipment. It was also discussed if CASFM funding would be better spent to off-set cost of soft skills training to encourage attendance.
 - a. Motion made by Danny Elsner to contribute \$2500 to support the Outreach and Training events; 2nd by Morgan Lynch; motion approved unanimously.
- D. Brian Varrella, CDOT, mentioned that he and FHWA are planning a (4-hour) workshop on review of 2D hydraulic modeling to be held this fall.

VII. Annual Budget – Myles Gardner

- A. The 2018 Annual Budget was presented for review and approval.
- B. Noted changes included the website, Swoogo for registration, and Guidebook for electronic program.
- C. Myles confirmed that funding is available for the \$2000 training contribution approved at the January Meeting for the CASFM/CWCB/FEMA training event.
- D. Myles indicated that the 2018 Annual Budget will be updated and revised for review and approval in May.

VIII. Annual Conference – Sarah Houghland

- A. The Call for Conference Presentations/Workshops/Project Awards went out on February 20, 2018.
 1. Abstracts are due on April 27th and selections will be made on May 25th.
 2. Project Award submittals are due on June 29th.
 3. Advisory panel will try to have the slate of presentations ready for the May general meeting and selection committee.
- B. The mobile app, Guidebook was discussed. It was offered for the first time at the conference last year. The platform was free, which had its limitations. Sarah

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indicated that the full platform is \$3500, and includes technical support, and the ability to showcase sponsors, include abstracts, notifications, etc. The cost can be accommodated in the conference budget. Sarah said the printed programs typically cost \$3000, and will propose a selection option at registration – printed or mobile app.

- C. The Keynote Speaker was selected – Teju Ravilochan, who is the co-founder of www.uncharted.org, which was formerly known as the Unreasonable Institute. Uncharted's mission is to chart the course from impossible to possible, and helps entrepreneurs turn ideas into social change. (Previous speakers under consideration are no longer available.)
 - 1. Teju Ravilochan's TEDxMileHigh YouTube video: https://www.youtube.com/watch?v=qzwCuje_Sc
 - 2. Speaker fees plus travel are \$6000 and are available in the conference budget.
- D. Stuart visited the conference hotel to explore entertainment options. He said the space can accommodate trivia or karaoke, or both. Committee members are genuinely trying to appeal to all interests for the entertainment.
- E. Stuart reminded everyone to reserve hotel rooms early!
 - 1. The 2019 conference will be in Crested Butte.
 - 2. Seeking help with Facilities Coordinator duties.
- F. Field Trip ideas were discussed in the Snowmass/Pitkin County area, and included the following:
 - 1. WWE project to identify mud/debris flow hazards for the City of Aspen.
 - 2. Matrix stream restoration, floodplain conveyance project for the Town of Basalt.
 - 3. Water quality improvements tour in the City of Aspen.
 - 4. Controversial water supply dam up against the Maroon Bells.
- G. Open Coordinator Positions: Field Trips, Workshops, Entertainment

IX. NE Region Event – CASFM FTAP

- A. Stephanie DiBetitto (CWCB) indicated that the CASFM/CWCB/FEMA training event has been scheduled to host Ed Thomas, Esq., President of the Natural Hazard Mitigation Association (NHMA).
 - 1. The topics and presentation will focus on the legal aspects of the National Flood Insurance Program (NFIP), best available data, mitigation activities, etc.
 - 2. The training dates have been set. Two one-day workshops will be held on Tuesday, May 15 (Grand Junction) and Thursday, May 17 (Greeley). The CASFM event will be a networking/social on Wednesday, May 16 in the Metro area (location to be determined).

X. ASFPM Update – Brian Varrella

- A. Brian provided an update on the recent Board of Directors Retreat. Out of 14 hours of total business, 6.5 hours were related to policy updates from Washington D.C.
- B. Brian passed on all feedback from CASFM members to the Board. There was a resounding theme – not identifying critical functions or how ASFPM supports its membership. The Board hopes the Annual Report to be delivered in draft at the June

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Conference might provide more clarity in what ASFPM does, and how it might benefit members.

- C. Updates summarized by our Region Representative, Traci Sears (Montana), are included in the committee reports.
- D. The call for registration for the Annual Conference in June was released.
- E. Deadline to nominate Board members is March 15. Colorado can vote for Chair, Vice Chair, Secretary and Treasurer, and also the Chapter Director position. The current openings in the Board that are termed out include Secretary and Chapter Director.
- F. Brian plans to run for a 2nd year as Vice Chair, and encourages CASFM members to be vocal, be involved, and continue their email campaign for change.

XI. **Next Meeting** – May 10, 2018, 9:00-11:00am in Loveland at the Public Works Administration Building, Conference Room 203 (2525 W. 1st Street, Loveland, CO 80537)

- A. Will need a volunteer to take notes!

XII. **Other**

- A. Shea Thomas updated the group on the funding gap at UDFCD. She described how the District is funded, and the effects of the 1992 Colorado Tax Payer's Bill of Rights (TABOR) constitutional amendment.
 - 1. The authorizing legislation set the UDFCD taxing mill levy at 1.0 mill. The bill allowed for a potential increase in the taxing authority to 2.5 mills.
 - 2. TABOR requires voter approval for any tax increase, and has reduced UDFCD's current mill levy from 1.0 mil to 0.56 mills over time. This has resulted in current annual funding that is \$23 million less than authorized.
- B. UDFCD is considering a November ballot initiative to ask voters to restore the mill levy and retain the funding from the 1 mill.
 - 1. UDFCD is requesting letters of support from CASFM and local governments, as well as followers on social media.
 - 2. UDFCD hired a political strategist and is employing a social media campaign to help the public understand the role and services UDFCD provides to our community.

XIII. **Adjourn**

- A. Motion to adjourn meeting; 2nd; motion approved unanimously.

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9:30 AM

1/5/2018

Accrual Basis

Colorado Assn of Stormwater and Floodplain Managers, Inc.

CASFM Profit & Loss Budget vs. Actual - 2017

January through December 2017

Ordinary Income/Expense	Jan - Dec 17	Budget	\$ Over Budget	% of Budget
Income				
43400 - Direct Public Support				
43415 - Scholarships Contributions	4,000.00	4,000.00	0.00	100.0%
43460 - Undergrad Scholarship Donations	2,290.00	2,500.00	210.00	91.6%
Total 43400 - Direct Public Support	6,290.00	6,500.00	210.00	96.8%
45000 - Investments				
45030 - Interest-Savings, Short-term CD	10.68	50.00	39.32	21.4%
Total 45000 - Investments	10.68	50.00	39.32	21.4%
47200 - Program Income				
47230 - Membership Dues	20,510.00	17,500.00	-3,010.00	117.2%
47240 - Annual Conference Fees	142,785.50	100,000.00	-42,785.50	142.8%
47245 - Annual Conference Sponsorships	11,680.00	24,000.00	12,310.00	48.7%
47250 - Workshop Fees				
47251 - Lunch & Learn Training	660.00	1,500.00	840.00	44.0%
47252 - Water Quality Fieldtrip Fees	1,880.00	2,100.00	220.00	89.5%
47280 - Seminars/Training	860.00	21,000.00	20,140.00	4.1%
Total 47250 - Workshops Fees	3,400.00	24,600.00	21,200.00	13.8%
Total 47200 - Program Income	178,385.50	166,100.00	-12,285.50	107.4%
Total Income	184,686.18	172,650.00	-12,036.18	107.0%
Expense				
62100 - Contract Services				
62110 - Accounting Fees	1,500.00	2,200.00	700.00	68.2%
62140 - Legal Fees	1,881.00	500.00	-1,381.00	376.2%
Total 62100 - Contract Services	3,381.00	2,700.00	-681.00	125.2%
62200 - Dues and Subscriptions				
62210 - ASFPM Dues	0.00	500.00	500.00	0.0%
Total 62200 Dues and Subscriptions	0.00	500.00	500.00	0.0%
64000 - Annual Conference				
64200 - Annual Conference Costs	101,936.31	100,000.00	-1,936.31	101.9%
64300 - Annual Conference General	17,995.82	24,000.00	6,004.18	75.0%
Total 64000 - Annual Conference	119,932.13	124,000.00	4,067.87	96.7%
65000 - Operations				
63400 - Membership & Database Coordination				
63500 - News Letters	0.00	1,200.00	1,200.00	0.0%
65020 - Postage, Mailing Service	1,192.50	1,750.00	557.50	68.1%
65040 - Supplies	0.00	50.00	50.00	0.0%
65120 - Insurance - Liability, D and O	0.00	400.00	400.00	0.0%
65150 - Credit Card Fees	1,881.00	2,000.00	119.00	94.1%
65151 - Credit Card Fees - Monthly	1,188.00	7,000.00	5,812.00	17.0%
65152 - Credit Card Fees - (per trans)	0.00	0.00	0.00	0.0%
Total 65150 - Credit Card Fees	1,188.00	7,000.00	5,812.00	17.0%
65200 - Website	10,380.52	2,000.00	-8,380.52	519.0%
65210 - Website Updated	0.00	16,500.00	16,500.00	0.0%
65300 - Bank Fees	36.00	0.00	-36.00	0.0%
65400 - Database Registrations	0.00	2,000.00	2,000.00	0.0%
65450 - Cloud Services	0.00	180.00	180.00	0.0%
65305 - Membership Meetings	487.72	600.00	102.28	83.0%
70000 - Miscellaneous	36.59	200.00	163.41	18.3%
Total 65000 - Operations	15,212.33	33,880.00	18,667.67	44.9%
65500 - ASFPM National Conf				
66000 - Workshops	1,811.03	2,200.00	388.97	82.3%
66100 - Workshops - Lunch & Learn	907.58	1,500.00	592.42	60.5%
66150 - Water Quality Fieldtrip	1,729.02	1,500.00	-229.02	115.3%
66200 - Workshops - Seminars/Training	1,386.64	25,000.00	23,613.36	5.5%
66400 - Workshops - Stream Academy	0.00	2,000.00	2,000.00	0.0%
Total 66000 - Workshops	4,023.24	30,000.00	25,976.76	13.4%
68000 - Socials				
68100 - Metro Socials	1,474.89	2,000.00	525.11	73.7%
68200 - Northeast Socials	500.00	1,000.00	500.00	50.0%
68400 - Southeast Socials	1,015.89	1,400.00	384.11	72.6%
68500 - Northwest Socials	0.00	500.00	500.00	0.0%



COMMITTEE AND REGIONAL REPRESENTATIVES REPORTS
March 8, 2018

Outreach & Training – Emily Villines

Discussion during meeting; see attached report.

Floodplain Management – Christopher Hodyl

The Floodplain Committee is gearing up to organize another opportunity for people to take the CFM test. Finding a venue to host is proving challenging. The committee will reach out to Boulder County, who has shown interest in hosting. The committee was shooting for April, but no dates have been finalized yet. Once a date is set, a call for volunteers to present the training material will be made.

Scholarship – Jacob James

The Scholarship committee will begin working on updating the scholarship application documents for this year. The committee will also investigate additional fundraising opportunities to help maintain financial sustainability.

Community Rating System – Marsha Hilmes-Robinson

No specific report at this time. We have not scheduled our next meeting, yet. We are working on getting a guest speaker or to arrange a webinar.

Stormwater Quality – Candice Owen

The Stormwater Quality Committee is working to develop the itinerary for the annual BMP field trip. If anyone has ideas on good BMPs for the field trip please email Candice. The group will meet again on May 3 at UDFCD.

Colorado Flood TAP – Brian Varrella

- Next meeting is April 2 with USACE Silver Jackets.
- Lots of concern about low snowpack, drought, and wildfire going into the summer. These will be topics for our Apr2 meeting.
- Matt Buddie passed on two FEMA Region VIII vacancy announcements to be posted to the CASFM website.

Membership – Stuart Gardner

- Membership Report – 892 members that have renewed for 2018.

Young Members Group – Jeremy Deischer

On February 9th several members of the YMG volunteered at the Jefferson County MathCounts competition. MathCounts is a national middle school coaching and competitive mathematics program

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with a series of tests and a 'knockout' round to determine the top students in each region. Students qualify for the State competition which will be held March 24 at University of Colorado Denver – Anschutz Campus. All the YMG members who volunteered had a great time and we look forward to getting more involved in MathCounts in the future.

A couple weeks later, on February 21st, the YMG hosted a happy hour followed by the annual Paint Night at unWined. Paint Night had a great turnout as YMG members 'Hit the Slopes' to show off their artistic ability.



To stay informed on future YMG events sign up for the YMG mailing list through the committee page on the CASFM website or email casfmymg@gmail.com.

Annual Conference – Sarah Houghland

Included with meeting agenda.

Metro Region – Debbie Fisher

The first CASFM social for 2018 will be held on March 15, at 240 Union from 5:30 to 7:00.

Presenting will be Dr. Andrew Earles, Ph.D., P.E., CPESC, D.WRE, Vice President of Water Resources at Wright Water Engineers.

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Introduction to Mud and Debris Flows

This CASFM social presentation will provide an overview of mud and debris flow hazards. Flows containing significant amounts of sediment are often characterized in terms of sediment concentration and/or size distribution of sediments entrained in the flow. These types of flows include mud floods, mudflows and debris flows, among others. This presentation will explain similarities and differences between these types of flows, which in reality exist along a continuum from clearwater flow to landslides. The presentation will include examples from Colorado, including recent work conducted for the City of Aspen to better define mud flood and mudflow hazards for the urban core of the City.

We are still working on getting a presentation team together for the Green Roof Initiative social.

In July, we are planning a joint social with the Colorado Riparian Association, date and location still to be finalized.

Northwest Region – Jonathan Kelly

The western slope seminar is taking shape as we have commitments from all the speakers. Everyone should have received the “Save the Date” announcement, and we’ll be sending out registration information shortly. The seminar will include a diverse set of topics including stormwater, floodplain, water quality regulations, drought planning, etc.

Southwest Region – Steve Westbay

No report.

Northeast Region – Andrew Fisher

No report.

Southeast Region – Kevin Binkley

No report.

ASFPM Report – Traci Sears, Region VIII Representative, via Brian Varrella

Happy Spring, even though it may not feel like it right now in Montana. Though the potential for flooding may be rising in our thoughts, ASFPM is working hard to address some of the concerns and problems that have been presented from states and members around the nation. The ASFPM Board is made up of representatives from the various US regions. Here in Region VIII there are two representatives on the board that work hard to bring forth issues important to our states.

Last week’s board retreat was a two-day marathon of meetings to address on-going work projects and goals and objectives for 2019. Items that were relevant to Region VIII included the following:

1. What does ASFPM do for you? – This will hopefully be addressed in the first ASFPM annual report. This report should be released soon and will be accompanied by a one page overview sheet.

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2. Chapters and members are looking for more feedback from ASFPM members. – The board is brainstorming ideas on how to more effectively reach out to the membership, and also, how to solicit more input on concerns or issues from the membership.
3. Base Level Elevations – A draft outline of the various types of studies that may be completed with BLE mapping, if the study information can be used for regulations or mapping, and a chart to help determine what type of BLE study would be appropriate for a particular area.
4. Clear Insurance Letters that have been sent out by FEMA and others to property owners – This is a newer issue that ASFPM is planning on addressing with FEMA. Example letters were distributed and concerns about the information and clarity were addressed.
5. How does lobbying help at the private, local, or state level? The 2017 NFIP Reauthorization is kind of a moving target at this point. The ASFPM Executive Office is busy trying to stay on top of congressional activity and contacts. The Federal Rebuilding Standard and the Water Resources Development Act (WRDA2016) were discussed.
6. The Flood Science Center – an overview of the website was provided. It is an excellent resource for all members – <https://floodsciencecenter.org>

Registration is now open for the ASFPM conference this June in Phoenix at www.floods.org. This will provide an opportunity for you to voice Region VIII specific issues. Region VIII membership will have an annual meeting opportunity bright and early at 7:00 am on Thursday, June 21, 2018. We would enjoy seeing you at the conference but if you are unable to make it please feel free to contact me with any Region VIII specific information, ideas, and questions.

Region VIII state annual conferences:

Montana Association of State Floodplain Managers

Great Falls, Montana

March 5-9th, 2018

www.mtfloods.wildapricot.org

Colorado Association

The Westin Snowmass Resort, Snowmass Village

September 25-28, 2018

www.casfm.org

Utah Floodplain and Stormwater Management Association

Moab, Utah

October 23-26, 2018

www.ufsma.org

Take care and I look forward to hearing from you soon.

Traci

OFFICERS

Chair

Deb Ohlinger, PE, CFM

Olsson Associates

1525 Raleigh Street, Suite 400

Denver, CO 80204

(303) 237-2072

dohlinger@olssonassociates.com

Vice Chair

Morgan Lynch, PE, CFM

Urban Drainage & Flood Control Dist.

2480 W. 26th Ave., Suite 156-B

Denver, CO 80211

(303) 455-6277

mlynch@udfcd.org

Secretary

Stacey Thompson, CFM

Southeast Metro Stormwater Auth. CH2M

7437 S. Fairplay St.

Centennial, CO 80112

(303) 858-8844

sthompson@semswa.org

Treasurer

Myles Gardner, EI

CH2M

9189 S. Jamaica St.

Englewood, CO 80112

(720) 286-5619

myles.gardner@ch2m.com



CASFM Outreach & Training Committee Report – March 8, 2018

For Discussion:

- Training opportunities
 - We are looking at hosting two events: one soft skills and one technical training
 - Soft Skills: Collaboration Training instructed by Employer Council
 - Cost would be \$140 per person for 20 people
 - Plenty of time to cancel if we do not hit our registration numbers to cover the cost of the event
 - Could host at Employer Council (1799 Pennsylvania) or at UDFCD
 - Could UDFCD help us coordinate since they hosted a similar event for the Stream Academy?
 - We would like to move forward with this event sometime in May and do not need CASFM funds
 - Technical Training: Either EPA SWMM or West Group Sedimentation and Erosion
 - EPA class would be around \$8500 (\$470 per person for 25 people)
 - Would require us to find a conference room for hosting
 - We would need 25 people and are worried about the cost per person for that many attendees
 - We decided as a committee that this is probably too expensive and sought out another option. If we end up going with this option, we would request a training budget.
 - West Group does a Sedimentation and Erosion Control course that has been successful in the past. Tyler is reaching out for more information.
 - Right now, we are assuming that we will go with this option, but we are keeping the EPA SWMM option open just in case

Website

- Website continues to progress. We have run into a few more kinks, but we are working hard to resolve them. Please encourage members to post their job postings to the CASFM website as this functionality is now built into the website and does not require the Committee to upload.
 - Note that we do review postings before they go live.
- We have updated the 2018 conference information. Sarah, let us know if you see anything missing.
- If any of the committees would like to update their respective committee pages, please email website@casfm.org

Social Media

- Social media is still going strong. Emily, Lisa, and Charlie are all contributing to both Twitter and LinkedIn.



Members:

Active Members: Emily Villines; Charlie Pajares; Stuart Gardner; Tyler Rosburg; Saman Mehdi; Lisa Lauver; Jeremy Deischer

Contributing Members: Holly Piza; Brian Varrella; Kimberley Pirri; Alan Turner; Craig Jacobson

For information about the Outreach & Training Committee, please reach out to the following contacts:

- Emily Villines, Chair: ecv@calibre.us.com
- Tyler Rosburg: Co-Chair: trosburg@iconeng.com
- Saman Mehdi: Website Co-Chair: Saman.Mehdi@jacobs.com



TRAINING PROPOSAL FOR 2018

Developed by: CASFM Outreach and Training Committee

For 2018, the training and outreach committee would like to host two training opportunities for CASFM members. As in years past, one of the proposed training events is focused on developing technical modeling skills. However, unlike years past, we would also like to hold an event focused on professional development. Our selection of these topics was in direct response to results we received from a training survey distributed to members in 2017. A short description of these training events is listed below. Anticipated budgets for the courses are included with this memo.

A. 2-Day HEC-RAS Sediment Transport Course

- a. Date: TBD
- b. Location: Somewhere on the southside of Denver. Perhaps in ICON's downstairs conference room.
- c. Instructor: WEST Consultants
- d. Estimated Cost to Student: \$410
 - i. \$8,300 for WEST, \$800 in venue expenses up to 25 people and 1 instructors.
- e. Description: WEST's hands-on seminar and computer workshop provides practical training in sediment transport modeling. Lectures will cover the algorithms HEC-RAS uses to compute sediment transport, selecting a transport function, computing transport capacity, the quasi-unsteady flow assumption, bed mixing algorithms, bed change options, and other fundamental computations for sediment transport modeling. The course will also discuss avoiding common sediment transport modeling problems. Intensive workshops will instruct participants in basic sediment transport modeling input (e.g., boundary conditions, bed sediment samples, hydraulic information), model options (e.g., dredging, transport equation calibration, cohesive transport, etc.), and output features.

<http://www.westconsultants.com/training/hec-ras-sediment-transport-modeling/>

B. 1-Day EPA-SWMM Training

- a. Date: TBD
- b. Location: Somewhere on the southside of Denver. Perhaps in ICON's downstairs conference room.
- c. Instructor: Computation Hydraulics International
- d. Estimated Cost to Student: \$470
 - i. \$5,000 for the training, \$2,800 travel expenses, total of \$7,800 for up to 20 people and 2 instructors.

OFFICERS

Chair	Vice Chair	Secretary	Treasurer
Deb Ohlinger, PE, CFM	Morgan Lynch, PE, CFM	Stacey Thompson, CFM	Myles Gardner, EI
Olsson Associates	Urban Drainage & Flood Control Dist.	Southeast Metro Stormwater Auth.	CH2M
4690 Table Mountain Dr., Suite 200	2480 W. 26th Ave., Suite 156-B	7437 S. Fairplay St.	9189 S. Jamaica St.
Golden, CO 80403	Denver, CO 80211	Centennial, CO 80112	Englewood, CO 80112
(303) 237-2072	(303) 455-6277	(303) 858-8844	(720) 286-5619
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- e. Description: This EPA SWMM5 workshop focuses on getting both new and advanced users up to speed on the full capabilities of these two modeling packages. Learn the theory, tools and practical hands-on applications of hydrologic and hydraulic modeling for stormwater, wastewater and watershed systems. Special emphasis is on drainage system planning and analysis using both single event and continuous modeling. Advanced topics include green infrastructure (LIDs), integrated 1D-2D and watershed flood modeling.

<https://www.chiwater.com/Training/>

C. 1-Day Collaboration Training

- a. Date: TBD
b. Location: 1799 Pennsylvania St, Denver, CO 80203 or Urban Drainage Office
c. Instructor: Employer Council
d. Estimated Cost to Student: \$140
i. \$2100 for up to 25 people, lunch not included
e. Description: Workplaces lacking collaboration waste time and resources. They are less creative, have higher turnover, lower trust, longer lead times, and lower employee satisfaction. Radical Collaboration® is a catalyst for building more effective work environments and more trusting relationships. Collaboration requires a skill-set and a mind-set, both of which can be learned. Radical Collaboration® has a proven track record for doing exactly that; teaching employees and organizations to become more successful. Radical Collaboration® teaches five essential skills for building strong alignments. This fast paced, hands-on learning experience increases trust and problem solving and reduces costly defensive behaviors.

Objectives

- Build collaborative skills
- Recognize the elements of building and maintaining long-term trusting climates
- Develop skills establishing and solidifying partnerships and alliances
- Learn the dynamics of interpersonal relationships
- Practice problem solving in simulated and real-time situations
- Gain personal insight into attitudes and behaviors in conflicted situations

<https://www.employerscouncil.org/leading-teams>

D. 1-Day “Leading teams” Training

- a. Date: TBD
b. Location: 1799 Pennsylvania St, Denver, CO 80203 or Urban Drainage
c. Instructor: Employer Council

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- d. Estimated Cost to Student: \$140
 - i. \$2100 for up to 25 people, lunch not included
- e. Description:

Objective

What makes for a high performing team? Are you prepared to do it? This course offers team leaders, supervisors, and managers an opportunity to assess and think critically about what sets a team up for success, and what derails that success. The focus is on evaluating team and individual behaviors to determine the best course of action to support cohesion and productivity. Effective team leadership requires the ability to assess the team's developmental stages. Then the leader adjusts the style accordingly. In today's complex and competitive business environment, organizations rely on team cohesion to navigate for success.

Outline

Direction Setting

- Assess individual needs during the team development stages
- Apply both facilitative and directive leadership practices to support team development
- Clarify team goals, operating principles, roles, and work processes to determine appropriate action steps

Decision Making

- Discuss and apply four different leader decision-making styles
- Practice moving teams toward group decision-making

Continuous Improvement

- Identify possible methods for assessing team effectiveness
- Evaluate participant dynamics

<https://www.employerscouncil.org/collaboration-skills>

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9:34 AM

3/6/2018

Accrual Basis

Colorado Assn of Stormwater and Floodplain Managers, Inc.
CASFM Profit & Loss Budget vs. Actual - 2018

January through February 2018

	Jan. - Feb. 2018	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
43400 - Direct Public Support				
43415 - Scholarships Contributions	0.00	4,000.00	4,000.00	0.0%
43460 - Undergrad Scholarship Donations	0.00	2,500.00	2,500.00	0.0%
Total 43400 - Direct Public Support	0.00	6,500.00	6,500.00	0.0%
45000 - Investments				
45030 - Interest-Savings, Short-term CD	2.60	50.00	47.40	5.2%
Total 45000 - Investments	2.60	50.00	47.40	5.2%
47200 - Program Income				
47230 - Membership Dues	7,990.00	17,500.00	9,510.00	45.7%
47240 - Annual Conference Fees	0.00	100,000.00	100,000.00	0.0%
47245 - Annual Conference Sponsorships	0.00	24,000.00	24,000.00	0.0%
47250 - Workshop Fees				
47251 - Lunch & Learn Training	400.00	1,500.00	1,100.00	26.7%
47252 - Water Quality Fieldtrip Fees	0.00	2,100.00	2,100.00	0.0%
47280 - Seminars/Training	0.00	21,000.00	21,000.00	0.0%
Total 47250 - Workshops Fees	400.00	24,600.00	24,200.00	1.6%
Total 47200 - Program Income	8,390.00	166,100.00	157,710.00	5.1%
Total Income	8,392.60	172,650.00	164,257.40	4.9%
Expense				
62100 - Contract Services				
62110 - Accounting Fees	0.00	2,200.00	2,200.00	0.0%
62140 - Legal Fees	0.00	500.00	500.00	0.0%
Total 62100 - Contract Services	0.00	2,700.00	2,700.00	0.0%
62200 - Dues and Subscriptions				
62210 - ASFPD Dues	500.00	500.00	0.00	100.0%
Total 62200 Dues and Subscriptions	500.00	500.00	0.00	100.0%
64000 - Annual Conference				
64200 - Annual Conference Costs	0.00	100,000.00	100,000.00	0.0%
64300 - Annual Conference General	0.00	24,000.00	24,000.00	0.0%
Total 64000 - Annual Conference	0.00	124,000.00	124,000.00	0.0%
65000 - Operations				
63400 - Membership & Database Coordination	0.00	1,200.00	1,200.00	0.0%
63500 - News Letters	530.50	1,750.00	1,219.50	30.3%
65020 - Postage, Mailing Service	0.00	50.00	50.00	0.0%
65040 - Supplies	0.00	400.00	400.00	0.0%
65120 - Insurance - Liability, D and O	0.00	2,000.00	2,000.00	0.0%
65150 - Credit Card Fees				
65151 - Credit Card Fees - Monthly	0.00	7,000.00	7,000.00	0.0%
65152 - Credit Card Fees - (per trans)	0.00	0.00	0.00	0.0%
Total 65150 - Credit Card Fees	0.00	7,000.00	7,000.00	0.0%
65200 - Website	0.00	2,000.00	2,000.00	0.0%
65210 - Website Updated	0.00	16,500.00	16,500.00	0.0%
65300 - Bank Fees	0.00	0.00	0.00	0.0%
65400 - Database Registrations	0.00	2,000.00	2,000.00	0.0%
65450 - Cloud Services	0.00	180.00	180.00	0.0%
66305 - Membership Meetings	0.00	600.00	600.00	0.0%
70000 - Miscellaneous	6,608.00	200.00	-6,408.00	3304.0%
Total 65000 - Operations	7,138.50	33,880.00	26,741.50	21.1%
65500 - ASFPD National Conf	0.00	2,200.00	2,200.00	0.0%
66000 - Workshops				
66100 - Workshops - Lunch & Learn	0.00	1,500.00	1,500.00	0.0%
66150 - Water Quality Fieldtrip	0.00	1,500.00	1,500.00	0.0%
66200 - Workshops - Seminars/Training	0.00	25,000.00	25,000.00	0.0%
66400 - Workshops - Stream Academy	0.00	2,000.00	2,000.00	0.0%
Total 66000 - Workshops	0.00	30,000.00	30,000.00	0.0%
68000 - Socials				
68100 - Metro Socials	0.00	2,000.00	2,000.00	0.0%
68200 - Northeast Socials	0.00	1,000.00	1,000.00	0.0%
68400 - Southeast Socials	0.00	1,400.00	1,400.00	0.0%
68500 - Northwest Socials	0.00	500.00	500.00	0.0%

	68600 - Young Members Social								
Total	68900 - Socials	0.00		0.00		1,350.00	6,250.00	1,350.00	0.0%
	68800 - Donations								
	68920 ASFPM Foundation	0.00				500.00		500.00	0.0%
	68930 - Research	0.00				2,500.00		2,500.00	0.0%
Total	68800 - Donations								
69000 - Scholarships			0.00				3,000.00		0.0%
	69200 - Ben Urbanas Scholarship	2,500.00				2,500.00		0.00	100.0%
	69300 - CASFM Family Scholarship	0.00				4,000.00		4,000.00	0.0%
	69400 - Undergrad Scholarship	2,500.00				2,500.00		0.00	100.0%
Total	69000 - Scholarships								
	Total Expense		5,000.00				9,000.00		55.6%
	Net Ordinary Income		12,638.50				211,530.00		6.0%
			8,392.60				172,650.00		4.9%
			-4,245.90				-38,880.00		
							-34,634.10		
	Net Income								

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Date/Time: Thursday, March 8, 2018 9:00-11:00am
Hosted by: Jacobs/CH2M
Location: 9189 S. Jamaica St, Englewood, CO 80112
 North Building, Conference Room N-2 North
Remote: 1-720-286-3333; Access Code 38081695

GENERAL MEMBERSHIP SIGN-IN SHEET:

Name	Company	Email
Stacey Thompson	Southeast Metro Stormwater Authority	sthompson@semswa.org
SHEA THOMAS	UDFCD	sthomas@udfcd.org
Morgan Lynch	UDFCD	mlynch@udfcd.org
Tyler Rosburg	ICON	troburg@iconeng.com
Deb Ohlinger	Olsson Associates	dohlinger@olssonassociates.com
Jeremy Deischer	ICON	jdeischer@iconeng.com
Danng Eisner	Dewberry	deisner@dewberry.com
Emily Villines	Calibre Engineering	ev@calibre.us.com
DAVE BERGH	CH2M	dave.bergh@ch2m.com
Jared Coleman	CH2M / Jacobs	Jared.Coleman@ch2m.com
Sarah Houghland	Engevity	shoughland@engenvity-es.com

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dohlinger@olssonassociates.com**Vice Chair****Morgan Lynch, PE, CFM**

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Denver, CO 80211

www.casfm.org



Name	Company	Email
Alan Turner	CH2M/Jacobs	alan.turner@ch2m.com
MYLES GARDNER	JACOBS	MYLES.GARDNER@CH2M.COM
Theresa Ring	Jacobs	theresa.ring@ch2m.com
ROBERT KREHBIER	MATRIX DESIGN GROUP	robertk@matrixdesigngroup.com
Paul Anderson	Edm Smith	andersonp@edmsmith.com
Stephanie DiBetto	CWCB	Stephanie.dibetto@state-co.us
Kevin Hock	CWCB	Kevin.hock@state.co.us
Kevin Binkley	Colorado Springs ^{City of COS} Utilities	kbinkley@csu.org
Keith Curtis	PPRBD	Keith@PPRBP.org
Jason Messamer	Colo Sggs Utilities	jmessamer@csu.org

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