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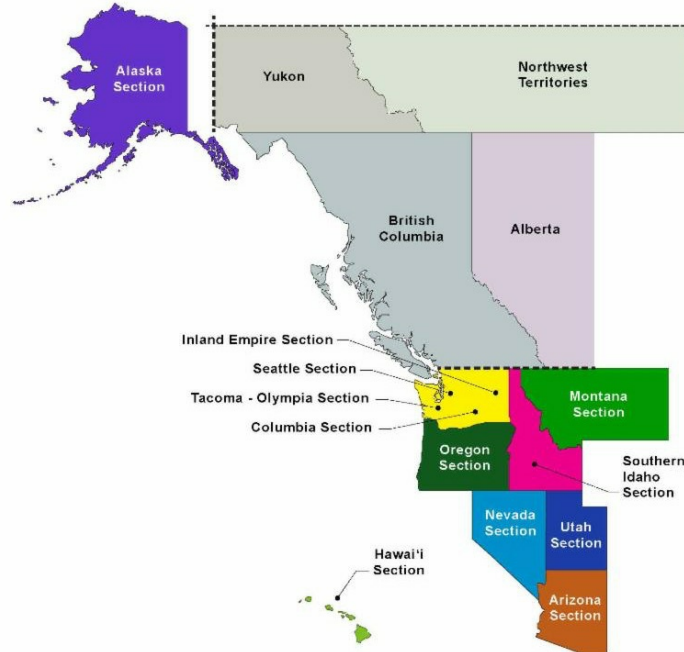
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"Help you matter more and enable you to make a bigger difference"





As I write these words, the Thanksgiving holiday is rapidly approaching. With the holiday season drawing near, my thoughts usually turn to anticipating spending time with my family and friends, and doing those things that make life enjoyable at this time of year, such as eating excellent meals and watching college football games on TV. This is also the time of year when your Region 8 Board of Governors begins the process of identifying candidates who are interested in joining the next class of Governors who will serve three-year terms beginning next October when the next ASCE National Convention convenes in Chicago, ILL. For this next election cycle, we will be seeking to fill

three of the seven seats on the Board as the terms of office for Dan Karlin, Fausto Burruel, and Tor Anderzen come to a close. Application materials from potential candidates must be received by the Nominations Committee **by December 1st**, so if you are interested in serving on the Board of Governors next year, please complete and submit your expressions of interest by the deadline. For the last couple of weeks, the Region 8 Nominations Committee (Governors Bob Turner and Darren Burton) has been reaching out to some previously-identified potential candidates, but we want to make sure that ALL interested members have a chance to make their interest in serving on the Region 8 Board of Governors known. Details on how to apply for consideration appear on the flyer that is included elsewhere in this newsletter. Any current member of ASCE who is in good standing (student members not included) and who resides within the geographic boundaries of Region 8 (Nevada, Arizona, Hawaii Alaska, Washington, Oregon, Montana, Idaho and the four provinces of western Canada) are eligible to apply. The Region 8 Board of Governors will interview all applicants at our next face-to-face Board of Governors meeting next February just before the Multi Regional Leadership Conference (MRLC) gets under way in Anaheim, CA. Candidates deemed qualified by the Board of Governors to run for office will be placed on the Region 8 ballot for the May 2023 election period. Serving on the Region 8 Board of Governors is fun and is also a great way to serve our Society. I urge all interested members to consider putting their hat in the ring!

One of the most important responsibilities I have as Region 8 Director is to serve as the interface between the Society Board of Direction, the Region 8 Board of Governors, and the individual Region 8 members. I view this as a 2-way responsibility, where I will sometimes represent issues elevated to me by the members, such as the need to increase the standard travel reimbursement per diem rate to the Board of Direction for action, (which I was successfully able to do earlier this year when the Board approved raising the rate to \$175/night) and to also be a conduit for conveying the impacts of Board of Direction actions back to the membership. Please contact me if you have any thoughts about specific issues or positions you would like me to convey to the Society Board of Direction for their consideration.

Happy Thanksgiving, everyone!

Larry Magura

2022 ASCE NATIONAL CONVENTION, THE HIGHLIGHTS - ASCE NEWS



This year, the ASCE National Convention was held at the Disneyland Resort in Anaheim, California on October 23-26, 2022. The convention featured keynote presentations, panel discussions, exclusive ASCE Tech Talks live sessions, the OPAL Awards Gala, and student Innovation Contest, and other meaningful experiences:

- Convention attendees were given exclusive access to ASCE Tech Talks, Nov. 15-17. Hear the best content from ASCE Committee on Technical Advancement
- Attendees earned additional PDHs by participating in Tech Talks live
- Up to 26.5 PDHs were available from Convention workshops and sessions
- The ASCE Community Service Project and Second Harvest Food Bank helped to harvest 3,000 pounds of green beans and raise over \$5,800 to help families across Orange County.
- 11 OCEA projects were honored at the OPAL Awards Gala, including the Rainier Square Development Project, which received the 2022 Outstanding Civil Engineering Achievement Award
- Attendees had the chance to experience Mega City 2070 at the Future World Vision booth in the exhibit hall, with a full track of sessions
- The Innovation Contest was held in person for the first time, with participation from five outstanding teams

Representing some of ASCE's women in presidential leadership attending the convention.



Attendees experience Mega City 2070 at the Future World Vision booth in the exhibit hall – photo by Jason Dixon Photography.



ASCE 2022 President Dennis Truax and state infrastructure coordinators discuss implementation of the Bipartisan Infrastructure Law.



ASCE honors its newest class of Distinguished Members, a status reserved for the most eminent civil engineers in the Society.



The 2022 Outstanding Projects and Leaders (OPAL) Gala was held during the ASCE National Convention, with the Rainer Square Development Project receiving the 2022 Outstanding Civil Engineering Achievement (OCEA) Award.

The Rainer Square Redevelopment
Photo by Moris Moreno.

Seattle's second-tallest, 58-story high-rise is the world's first high-rise to be constructed using the innovative SpeedCore structural system, which expedited construction 46% faster than conventional methods, shaving 10 months off the construction schedule. This system braces the tower against seismic and wind impacts.



DECLARED CANDIDATES FOR ASCE 2023 PRESIDENT-ELECT

Click [here](#) to or on the preview below to read about the declared candidates for 2023 President-elect, and the ASCE election guidelines.

ASCE PACIFIC NORTHWEST (PNW) SYMPOSIUM - CALL FOR VOLUNTEERS AND SPONSORS!



The annual ASCE Pacific Northwest Symposium will be held at Montana State University in Bozeman, Montana April 14-15 (Friday & Saturday), 2023! There are 17 schools signed up to compete in six competitions - the most popular events are building and testing Concrete Canoes and Steel Bridges! This year Timber Strong has been added to the competition list for the first time and there are 4 schools signed up to participate - a great number for the first year!

The majority of the competitions will be held Friday, April 14, with the exception of the concrete canoe competition, which will have components Friday as well as the outdoor portion on Saturday.

Thank you for your interest in helping sponsor the symposium or volunteering in person!

Information & Forms for Sponsorship and Volunteering can be found here:

<https://studentsymposium.asce.org/pacific-northwest/sponsors/>

Here are lists of the different student competitions and participating schools:

Competitions:

- ASCE Concrete Canoe Competition**
- AISC/ASCE Student Steel Bridge Competition**
- ASCE UESI Surveying Competition**
- ASCE Sustainable Solutions Competition**
- Timber Strong Design Build Competition (Pilot Competition)**
- ASCE Student Symposium Paper Competition**

Schools from Montana, Washington, Oregon, Alaska, and British Columbia will meet in Bozeman, Montana in April to compete!

Carroll College	Gonzaga University	Montana State University
Montana Technological University	MSU-Northern	Oregon Institute of Technology

Oregon State University	Portland State University	Saint Martin's University
Seattle University	University of Alaska Anchorage	University of Alaska Fairbanks
University of British Columbia	University of Idaho	University of Portland
University of Washington	Washington State University	

CHANGE TO STUDENT CHAPTER TRAVEL REIMBURSEMENT

Dear Region 8 & 9 Region Governors and Directors,

I want to make you aware of a change impacting student chapters that relates to the upcoming Workshops for Student Chapter Leaders (WSCL) at the Multi-Region Leadership Conferences (MRLCs). In the FY23 budget cycle Student Chapter travel reimbursements to the WSCL were cut. Previously, each chapter would receive up to \$500 to help cover travel costs. This year we are not offering a reimbursement. I'm sharing this with you, because I think you are likely to hear about this from students or advisors as they begin to make their plans. We notified faculty advisors earlier in the school year but know this news will still grab their attention. You may receive questions and requests for funding support. When/if you do, I wanted you to be aware and able to field questions. I've attached the invitation to the WSCL should you wish to learn more about the communications students and FAs received last week.

This is an unfortunate turn of events, and we are hoping it will not impact student attendance at the WSCL. If chapters decide not to attend, the Committee on Student Members and Region leaders will again hold Pop-up Leadership Shops at the Symposia in 2023. These sessions will be open to all students attending the Symposia. We are excited that key elements of ASCE's leader development programming for students may be accessed there.

Thanks in advance for your support of students and for your help in explaining the situation. If you have any questions for me, I'm happy to provide additional clarification.

Kind regards,
Leslie

Leslie D. Payne. IOM, CAE, Aff.M.ASCE

Director, Student and Younger Member Programs & Pre-college Outreach

[Email](#)

ASCE INVITES STUDENTS TO THE 2023 WORKSHOP FOR STUDENT LEADERS

The Workshop for Student Chapter Leaders is back this winter live and in person!

Join other ASCE student leaders this **February 17-18 in Anaheim, California** for the annual training session and networking event that connects student leaders with both experienced and emerging civil engineering professionals, helps students develop their communication and leadership skills, and allows chapter leaders from schools across the regions to exchange ideas that will assist them in both building their student chapters and becoming leaders in the industry.

Workshop Highlights include:

- Social Activities Thursday – Sunday
- STEM Outreach Training Presentation
- Coffee with 2024 President-Elect
- Keys to Chapter Success
- Non-Verbal Communication and Presentation Skill Training
- Conversations with the Student Presidential Group
- And more...

Early registration before December 20, 2022; Late registration is December 2, 2022 – February 10, 2023.

Online registration closes: February 10, 2023.

Lodging information: Doubletree by Hilton Hotel Anaheim – Orange County
Please note: ASCE is not offering travel reimbursements to support student chapter travel to this event.

For more information, please contact [Eden Butler](#) (ASCE Manager, Student Programs & Pre-College Outreach) or visit the [event website](#).

Submitted by Virginia J. Groeschel, Region 8 Governor

TECHNICAL ARTICLE SPOTLIGHT

In 1983 and 1984, the United States Army Corps of Engineers (USACE) constructed improvements on what had previously been smaller levees along the lower Provo River and Utah Lake as an emergency measure to mitigate historic flooding along the Provo river and Utah lake. Currently those levees are shown providing 1%-annual-chance flood protection to approximately 4 square miles of Provo west of I-15, including the Provo Airport which is currently constructing a new four gate terminal set to open in summer of 2022. The FEMA Flood Insurance Rate Maps (FIRMs) for the area are to be updated and will no longer show base flood protection by the levees due to lack of required documentation for levee certification. FEMA's action could add hundreds of existing residential, civic and commercial structures to the FEMA floodplain.

The Provo levee system consists of lakeside and riverside levees. The lakeside levee is 5-½ miles in length and acts as a flood protection barrier to Utah Lake and Provo Bay waters. The Provo River levee system follows along the north and south sides of the Provo River from I-15 to Lakeshore Drive and provide flood protection to residential areas adjacent to the river.

Provo City and a team with CRS Engineers partnered to study the levees and to develop plan alternatives for Provo's City Council to consider. Our report documented the existing conditions of the levees; presented alternatives for rehabilitating the levees for accreditation; and created recommendations for moving forward with a preferred alternative.

The project team performed an assessment of the existing levees to evaluate whether the levee system meets the requirements of 44 CFR §65.10 – Mapping of Areas Protected by Levee Systems and to document any deficiencies that exist. Deficiencies in Freeboard, Closures, Embankment Protection and Stability, Interior Drainage, Vegetation Management and Right-of Way Encroachment were identified for both the riverside and lakeside levees that render the levees not certifiable in their current state. Since the levees are not certifiable in their present condition, a rehabilitation project would be necessary to change the FEMA floodplain mapping and insurance requirements for the west part of the City.

Many levee embankment options were considered including sheet piles, secant piles, cutoff walls, inverted T-walls, box culverts, reconstruction in place, and setback levees. Due to cost considerations, environmental and community impacts as well as construction risks, the preferred alternative for levee certification would be a traditional earthen embankment, constructed either in-situ or relocated behind the existing levee. An inverted T-wall may also be a viable alternative in areas where it is desirable to reduce the width of the levee cross section and settlement risk are low such as along segments of the riverside levees. A proposed certifiable embankment cross section was developed with landside side-slopes of 2:1 and waterside side-slopes of 3:1. The height would be set at three feet above the 1% annual-chance water surface elevation (WSE) with a crest that is 12 feet wide.

A Benefit-Cost Analysis (BCA) was created to compare the various reconstruction alternatives. It compared the cost of flood insurance and potential flood damages against the cost to construct and rehabilitate the levees. The results of the concept -level BCA is a Benefit-Cost Ratio (BCR) greater than 1.0 for all three alternatives. The benefits of avoiding private flood insurance costs and gaining property protection outweigh the public cost amount for levee improvements based on the preliminary analysis and engineering performed.

[READ THE FULL PAPER HERE](#)

REGION 8 CALENDAR OF EVENTS

- February 15, 2023: Region 8 Board of Governors Meeting, Anaheim, CA
- February 16, 2023: Region 8 Assembly meeting, Anaheim, CA
- February 17 – 18, 202: Workshop for Student Leaders, Doubletree Hotel, Anaheim, CA
- February 17 – 18, 2023: Regions 8 – 9 Multi-Region Leadership Conference (MRLC) Doubletree Hotel, Anaheim, CA

- March 1 – 3, 2023: Legislative Fly-in, Washington, D.C.
- March 4 – 5, 2023: Board of Direction Meeting, Washington, D.C. (or Reston, VA)
- April 14-15: ASCE Pacific Northwest Symposium, Montana State University in Bozeman, Montana

ASCE REGION 8 EVENTS



ASCE Region

8 | <http://regions.asce.org/region8/> | www.facebook.com/asceregion8



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