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The Southeast Branch News is published monthly by the Southeast Branch of the Wisconsin Section of ASCE. Change of street and/or e-mail address should be sent to ASCE, 1801 Alexander Bell Drive, Reston VA 20191 (800/548-ASCE). You may update your own information at the Members Only page of WWW.ASCE.ORG

The deadline for articles for the next newsletter is the first of the month.

PRESIDENT'S MESSAGE

Hello Southeast Wisconsin Engineers,

This crazy year is almost over! I'm sure most of you are looking forward to 2021 and turning the page on 2020, however I'd like to take this opportunity to look back on this past year and showcase some of the highlights for the Branch.

It's hard to believe but there was a time in 2020 when we had in-person events! In fact, in January we met in person at MSOE to honor our scholarship winners and take in a presentation by Bob Schumacher and Levi Warner of Larson Engineering on the renovations of the Summerfest American Family Insurance Amphitheater.

In February, Southeast Branch member Darrell Berry was honored at the Engineer's week Banquet as STEM Forward's 2019 Engineer of the Year. In March we held a successful fundraising event for the Infrastructure Report Card Release at City Lights Brewing Company where local dignitaries including Milwaukee Mayor Tom Barrett, Glendale Mayor Bryan Kennedy, and MMSD Executive Director Kevin Schafer discussed the importance of infrastructure.

As the pandemic set in, we made the decision to switch our monthly member meetings to a virtual format where a variety of interesting topics were presented. We learned about the Drexel Town Square Development in Oak Creek from Pat Kressin and Jim Hansen of Graef. We gained insight on the Harbor View Plaza in Milwaukee from Bruce Morrow of Ayres. We got a glimpse at the Milwaukee County Zoo's new Adventure Africa elephant exhibit from John McCarthy of Graef. We explored the Jones Island Water Reclamation Plant through a virtual tour and had a discussion with various operational and engineering experts from the plant.

Speaking of events going virtual, our Branch planned and held the first ever fully virtual Wisconsin Section Annual Meeting in September. Although it was a challenge to switch formats in the middle of the planning process, our planning committee did a phenomenal job providing exceptional content for the 180 plus registrants.

Thank you to everyone who contributed to an excellent year for our branch. As we continue to adjust to our "new normal", I look at the challenges of this upcoming year as an opportunity to think outside the box and come up with new, and hopefully meaningful activities for our members. I look forward to the coming year and, as always, if you have an idea for an event, speaker, meeting topic, or anything else for our branch, do not hesitate to contact me or any other board member.

Regards,

Tony Castle, P.E., M.ASCE
Wisconsin Section, Southeast Branch, President
tony.castle@aecom.com



November Meeting Recap



Our November Monthly meeting was held on Wednesday, November 18th with a virtual tour of the Jones Island Water Reclamation plant. Afterwards, a panelist of engineering and operational experts fielded questions followed by a quick discussion lead by Kevin Lyons of MMSD about upcoming MMSD projects in 2021 in the areas of wastewater infrastructure, watercourse, and conveyance. Thank you again to Andi Kneeland, Kevin Lyons, and all the engineering and operational experts for providing the tour and insights.

Also thank you to the more than 50 attendees at the meeting that helped to make the event a success! Attendees earned 1.0 PDH.

December Meeting Info

Join us for our December meeting being held virtually on Thursday December 17th, starting at 12PM. John McCarthy of Graef will be speaking about the design and construction of the snowmaking system for the cross country ski trails at the Lapham Peak Unit of the Kettle Moraine State Forest in Delafield, WI. He will also provide information on how you can get outside this winter to enjoy you State Parks.



Registration will be required to receive credit for 1.0 PDH. Registration will be limited, so be sure to reserve your spot today! The deadline to register is Tuesday, December 15th. A link to the webinar will be sent out in an email prior to the event. Please contact Tony Castle (414) 810-8264; tony.castle@aecom.com with any questions.

[Register Now](#)

Membership Update

Article by: Caleb Manske



Don't forget to renew your membership before the Holiday season takes over and you forget about it. Time is running out! December is also "refer a friend month!" Actually, that's every month, so feel free to help grow ASCE and get your friends to join.

Please join us in welcoming our newest members to the Branch, Mary Kate Dempsey and Tom Heydel. Welcome Mary Kate and Tom!

January Scholarship Meeting

Article by: Aaron Bubb

The ASCE Southeast Branch will be hosting a virtual meeting in January to congratulate our scholarship winners. The meeting will be held at 4:30 p.m. on January 27, 2021. Please watch your email for the invite and Zoom link!

Following the scholarship awards, Kevin Muhs of the Southeastern Wisconsin Regional Planning Commission (SEWRPC) will be giving a presentation on their **VISION 2050** plan.

SEWRPC is the official metropolitan planning organization and regional planning commission for the seven-county Southeastern Wisconsin area. For over 50 years SEWRPC has provided planning services and basic information to solve problems and provide focus and attention on key issues of regional consequence.



VISION 2050 recommends a long-range vision for land use and transportation in the seven-county Southeastern Wisconsin Region. It makes recommendations to local and State governments to shape and guide land use development and transportation improvement, including public transit, arterial streets and highways, freight, and bicycle and pedestrian facilities, to the year 2050. We have reached a pivotal moment in our Region's development, and more than ever we will need to compete with other areas to attract residents and businesses. To increase our competitiveness, VISION 2050 builds on our strengths as a Region and seeks to improve areas where we do not compete well with our peers.

[Future City Competition 2021 \(Volunteers Needed\)](#)

Article by: Neal Styka



The 2021 Future City Competition is coming up at the end of next month! The ASCE WISE Branch is sponsoring four special awards for "Exemplary Model." Judging will be done on Zoom on the morning of Saturday, January 30th, 2021.

Judges will be meeting with each of the Future City teams to review and discuss their future city model and design. Judges will then score each team accordingly. This year's challenge, ***Living on the Moon***, asks teams to design a futuristic lunar city and provide examples of how the city uses two Moon resources to keep its residents safe and healthy.

Another part of the competition is judging a minimum of 5 essays on the same topic during the month of January.

If you are interested in participating as a special award judge or judging essays, please contact Neal Styka (nstyka@kapurinc.com) by Friday, January 22nd, 2021 to sign up. Thank you to all who have volunteered to help with the Future City Competition in the past and to STEM Forward for hosting this amazing event each year!

[YMG Update](#)

Article By: Josh Mitchell

The YMG has two events in the coming months: A Game Night with the Wisconsin Southwest Branch YMG and a Santa Hat Sledding Event. Stay tuned for More information on those events, Emails will be sent out once the final details have been decided.



[Get to Know Your Board!](#)

To help our members get to know our Branch board better, we will be highlighting board members each newsletter in this series. This month we are spotlighting Collin Smith our Director at Large for Student Affairs.

Tell us about yourself:

I am currently working as a Water Resources Engineer at SRF Consulting Group. I also serve on the ASCE EWRI Watershed Management Technical Committee as a liaison to the WEF Watershed Management Committee working to study, evaluate, and disseminate information across the spectrum of disciplines related to conserving and preserving watersheds; as well as the American Ecological Engineering Society.



Where did you go to School?

I graduated from Rhinelander High School (Go Hodags!) followed by University of Minnesota-Twin Cities in 2016 where I studied Bioproducts and Biosystems Engineering with an emphasis in environmental and ecological engineering and a minor in environmental policy.

Do you have any hobbies?

I am an avid baker, gardener, cyclist, and fly fisherman in my spare time. Outside of that, you'll likely find me walking along the Oak Leaf Trail and through South Shore Park taking in nature and an unbeatable view of Milwaukee.

What is your favorite television show(s)?

Lately I've been into Fargo and the Great British Baking Show, quite a bit different from each other, but both are suspenseful and entertaining in their own ways.

What is the highlight of the past year?

My wife and I just celebrated our first anniversary, and every moment of that has been an irreplaceable experience. We didn't expect to spend the majority of it as coworkers in our apartment, but have enjoyed it nonetheless.

What did you want to be when you grew up?

Something in the natural resources field. Growing up in northern WI, it's impossible not to recognize the immense importance of the world around you, and how a functioning society is directly connected to a sustainable coexistence with the natural world.

What is the best place that you have visited?

Our honeymoon was in Portland, Maine- an amazing city and a beautiful state. From the bustling, waterfront city, to the serenity of Acadia National Park, it was incredible to take in everything the state had to offer. Check it out some time!

A place you would like to visit before you die?

I would love to explore Patagonia, and spend my time fishing, exploring and taking in the region, and meeting the people that call it home.

How did you get involved in ASCE?

It was recommended to me by a colleague.

What do you like best about ASCE?

The collaboration with engineers who you would otherwise not cross paths with. I've also taken part in the mentor program and I recommend it highly for any young engineers; I cannot emphasize how much of an impact it has had on me.

What advice do you have for ASCE members?

Find an area that interests you, and jump in with both feet. On the local level, getting involved with your branch is a great place to start and a way to meet other engineers in your region. On the national level, I've found participation in EWRI to be a vast source of information, and getting involved with Government Affairs is great way to learn about engineering funding and policy while helping your community get the resources it needs.

STEM Forward's 68th Annual Engineers Week Banquet

Nominate an Engineer of the Year Candidate by 12-18-20! There are fewer nominations than in the past, so please consider nominating a candidate for the **Engineer of the Year Award** and the **Young Engineer of the Year Award**. The deadline to nominate a candidate is extended to **Friday, December 18 at noon**. Details and the nomination form can be found here – <https://www.stemforward.org/engineers-week-banquet>.

Save the date! The **2020 Celebration of STEM – 68th Annual Engineers Week Banquet** will be held on **Wednesday, February 17, from 4:00 to 5:00 PM**. The event this year will be virtual. Mark your calendar to join us for an inspirational, fast-paced evening honoring some of Wisconsin's extraordinary individuals and organizations working in STEM. Special Guest Presentation on STEM Talent and the Future Workforce will feature Scott McLees, Founder, Pendios. Registration information coming soon!

If you have questions, please contact Maureen Haeger at mhaeger@stemforward.org

Newsletter Publication

We welcome your articles, letters & news items for publication in the ASCE SE Branch Newsletter.

Advertisements and job postings are also accepted by contacting:

Kyle J Bareither, P.E. – 414-837-3574 – Kyle.Bareither@ramboll.com

or by visiting the employment page on our website (<http://www.ascewise.org/employment/>)

*Deadline for next issue is the first of the month.

Job Postings

This is a paid advertisement and is not affiliated with ASCE.

Chief Engineer – Streets & Development

The City of Pewaukee has an opening for full-time Chief Engineer for the Streets & Development division with an anticipated start date of September 14, 2020. The starting annual salary is between \$70,000 ~ \$80,000 depending upon qualifications and experience, and includes a generous benefits package. And the City of Pewaukee believes in a proper work/life balance therefore this position typically works 40-45 hours per week.

The Chief Engineer –Streets & Development performs diversified engineering work including planning, design, project management, mechanical and computer-aided drafting (utilizing AutoCAD) for the creation of construction plans/specifications, updating maps; creating modern information management techniques and computerization of public works records, planning, designing and directing municipal civil engineering projects related primarily to streets and city mapping and development and assisting in drainage systems, sanitary sewer systems, municipal water systems and city mapping, and related work as apparent or assigned.

Examples of the specific duties for this position include:

- Assist the Public Works Director/City Engineer in the provision of professional engineering services to the resident and corporate customers of the City. Investigate and respond to inquiries/complaints in a timely manner.
- Assist in the preparation and implementation of the goals, objectives and policies of the City; recommend planning for future operations.
- Assist in the development of the budget for Engineering Division; approve expenditures for Engineering Division.
- Supervise Civil Engineers and Engineering Technicians. Recommend new hires, evaluate and discipline employees; evaluate job performance and provide for effective job training; assign, monitor and coordinate work.
- Provide professional engineering services for the City of Pewaukee including: Please see full job description for entire list.

Qualified applicants will possess 1) a Bachelor's Degree in Civil Engineering or related field, 2) at least 10 years' experience working in Civil Engineering or a combination of education and experience that provides equivalent knowledge, skills and abilities will also be considered, 3) Wisconsin Professional Engineer License or ability to obtain within 6 months of employment, 4) extensive knowledge of Civil Engineering and engineering survey and design; thorough knowledge of public works construction; working knowledge of drafting and computer applications to engineering, 5) knowledge of state laws and municipal ordinances governing public works in order to design, oversee, implement and inspect more complex projects in accordance with same, 6) ability to direct the work of others; ability to establish and maintain effective working relationships with employees, other divisions, and the public; ability to follow written and oral instructions; ability communicate effectively, verbally and in writing. See full job description for entire list of knowledge, skills and abilities needed to succeed in this position.

Completed applications are mandatory and can be found online at the Employment Opportunities page of the City of Pewaukee website, www.cityofpewaukee.us.

This position will remain open until filled.

The City of Pewaukee is an equal opportunity employer.