

THE

INFORMANT

NEWSLETTER OF THE MAINE SECTION ASCE

February 2024



From the Editor:

Happy February Maine Section!

The Informant is here to help you kick off the weekend. The calendar for the next two months is jam packed with events and opportunities to get involved and showcase what you have been working on all year. We are still looking for help with the 2024 ASCE Report Card and presentations for this year's Technical Seminar. This year the Maine Section is hosting the Region 1 Assembly, and the ever-popular ski day at Sugarloaf with UMaine students is back! Both events happening in March.

We hope to see you soon!

Heather

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Maine Section ASCE - Save the Date(s)

February 2024

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4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22 Monthly Section Meeting	23	24
25	26	27	28	29	3/1 Scholarship Deadline	3/2 Engineering Expo

President's Message

I hope that everyone had a great January.

The Younger Members Group had a fun time at the Mariners game (photo below) this past month and we had a great report card kick off meeting, hosted by Woodard and Curran! Thank you for hosting!

We are always looking for volunteers for the report card, if you are interested, please don't hesitate to reach out. For those who forgot what the last report card grades were, they online at the following website <https://infrastructurereportcard.org/state-item/maine/>. We shall see if the grades went up or down this year.

In the months ahead, we are excited to have the ASCE Ski Day at Sugarloaf in March so watch your emails for more information. The next meeting will be on the Bangor water project on February 22nd, we look forward to seeing you at the Seadog in Bangor! Be on the lookout for the Maine Engineering Expo, and ways to get involved with the technical seminar is coming up in April.

I look forward to seeing you in Bangor in a few weeks!

Thanks,

Nate Powelson, P.E.

Maine Section ASCE President



Thursday, February 22, 2024
Maine Section ASCE
Monthly Section Meeting!

Earn 1 PDH!

Bangor International Airport Area
Pressure Zone Infrastructure Improvement Project

Presented by: Darrin Lary, P.E.

Location:

SeaDog Brewing Bangor
 26 Front Street
 Bangor, Maine

Schedule:

5:00 pm – 5:30 pm Registration/Social
 5:30 pm – 6:15 pm Dinner
 6:15 pm – 7:15 pm Presentation

Cost:

ASCE Members - \$40
 Non- Members - \$45
 Students/Life Members - FREE

In the spring of 2020 the Bangor Water District, with the assistance of Wright-Pierce, began the process of designing and implementing improvements to the water system in Bangor for the area adjacent to the Bangor International Airport. A previously completed comprehensive facilities evaluation had recommended improvements to the distribution piping, booster pump station and tank replacement to improve system reliability and water quality as high priority projects for the water system. The project started with a feasibility study to review the best alternatives for sizing a new water tank and adjusting the pipeline pressure zones for optimum fire flow capacity, water age, and pipeline reliability. Upon selection of the best alternative for improvements, three contracts were designed for the replacement of aging water mains, replacement of a sub-standard water booster pumping station, and a new 3.2M gallon concrete water storage tank to replace two aging welded steel water tanks. We will discuss the process from feasibility study to design to construction of this critical infrastructure replacement project for the Bangor Water District.

Speaker

Darrin D. Lary, PE Senior Project Manager, Wright-Pierce

Darrin is a senior project manager in the Water Practice Group at Wright-Pierce, with over 26 years of a wide range of experience in planning, design and construction of water treatment, storage, and distribution projects for municipal and private clients throughout New England. Project expertise includes large diameter pipelines, urban water main design, storage tanks, and managing projects with multiple stakeholders.

PLEASE RSVP BY Thursday, February 15th!

Register [HERE](#) or contact **Justin Yaitanes** Email: jyaitanes@hntb.com

THE WICKED DATA MIN"AH"

#07: LET IT SNOW

4,237

feet of the peak summit of Sugarloaf mountain, the second highest peak in Maine and the only ski resort in the northeast to operate above the tree line.

Source: www.maine.gov

77

average inches of snow that fall annually in the state of maine; the most amount of snow behind VT and NH.

Source: www.maine.gov

58

inches of snow that fell during the blizzard storm of 1888.

Source: www.maine.gov

400

number of plow trucks operated by Maine DOT plowing 8300 lane miles.

Source: www.maine.gov

67

% of lane departure vehicle crashes that occur during the winter months.

Source: www.maine.gov

Maine Engineering Expo!

2024 ENGINEERING WEEK EXPO

UNIVERSITY OF SOUTHERN MAINE FIELD HOUSE - GORHAM, MAINE
SATURDAY, MARCH 2ND, 9:00AM -2:00PM

The 2024 Maine Engineers Week Exposition will be held at **The University of Southern Maine Field House in Gorham, Maine.**

We invite you to participate in the Expo as an exhibitor for the anticipated 1000 people who are expected to experience firsthand the many contributions that Maine Engineers make to our communities and way of life. The standard exhibitor space is \$150 for a 96in. x 30in. table and a 10ft. x 10ft. area. Additional tables and space may be available at no cost by request. As part of the registration process, a survey is provided for additional requests, such as access to electrical power and water or additional tables and space. If you are a sponsor or a non-profit/educational institution, the exhibit fee is waived.

The Expo will begin at **9 am and finish at 2 pm.** In attendance will be Maine's top engineering firms, engineering schools, educators, government agencies, industry, and engineering societies.

With your help, we can provide many young people with a first-rate event that shows them all the exciting places that their math, science and communication skills can take them. Your participation will help encourage our youth to pursue careers in engineering and provide a diverse and vigorous workforce for the future.

Maine Section High School Scholarship

The ASCE Maine Section is seeking applicants for its *Civil Engineering High School Scholarship*. There will be one \$2,000 scholarship awarded to an outstanding high school senior from Maine who plans to major in civil engineering in college. The student selected must show proof of enrollment in a four year ABET accredited Civil Engineering program. This scholarship has been highly successful in past years and typically attracts many students who are in the top 5% of their graduating class. The application and all its attachments must be emailed (preferred) or postmarked by **March 1, 2024**. If you know anyone who might be interesting in applying, please encourage them to obtain further information and applications from their guidance counselor or from Leslie L. Corrow, P.E. at: leslie.corrow@kleinschmidtgroup.com

SCHOLARSHIP GOLF TOURNAMENT!



WHEN: Friday, June 14th, 2024

WHERE: Turner Highlands

WHAT: Play golf and raise money for our ASCE Scholarship Fund!

Last year we raised over \$8,000! Goal is to do even better this year - more info to come, email **Heather Hayes** hhayes@vhb.com with questions.

Join the Committee for Maine's Infrastructure!



2024 Report Card for Maine's Infrastructure Committee

In January, 30 volunteers participated in a kick-off meeting for the 2024 Report Card for Maine's Infrastructure. Thanks to Maine Section Past-President Lauren Swett and Woodard & Curran for hosting the night at their new office in downtown Portland. Those online missed out on the Pizza from Amato's which was amazing. ASCE's Senior

Manager, Infrastructure Initiatives, Gordon Chaffin provided the team with an enthusiastic overview of ASCE's guidelines and do's and don'ts for developing a state report card. We are still looking for help with **drinking water, transit, wastewater and hazardous waste** so let me know soon!

Check out the latest report card at <https://www.infrastructurereportcard.org/state-item/maine/>

Interested in joining the committee?

Contact Peter Merfeld. Email works best at pmerfeld@maineturnpike.com or call 207-485-2036.



Sugarloaf Ski Day w/ UMaine ASCE

SATURDAY, MARCH 23, 2024!



Join ASCE for a fun day of skiing! Non-ASCE Friends and family are welcome!

2024 Prices:

- \$50 ASCE Student Members
- \$80 ASCE Members
- \$85 Non-Members
- Sponsor a Student: \$50 (helps offset cost of student tickets, companies/individuals who donate will be recognized during lunch)
- Rentals available at discounted rate, must book online in advance (\$30 alpine ski/snowboard, \$8 helmet)
- Discount rate lessons are available. Email Esther for more information.
- Have a season pass? RSVP that you'll join us for lunch, cost \$10
- Don't downhill ski, but still want to check out Sugarloaf? Spend the day at the Sugarloaf Outdoor Center for Nordic skiing, snowshoeing or ice skating and just join ASCE for lunch. Email Esther FMI

Schedule of Events:

- 8am to 9:30 am meet in Maple Room in the base lodge to pay for and pick up ticket.
- 8:30am to 4pm Ski and Ride Sugarloaf!
- 12pm-1pm Shipyard Brewhaus for lunch
- 1pm group photo

The cost of lunch is included in the ticket prices for ASCE Members.

Don't ski, but want to join us for lunch? Feel free to join ASCE even if you do not purchase a lift ticket! RSVP required, cost is \$10/person.

RSVP by Tuesday, March 19th to Esther Dodson (esther@main-landdci.com or 207-931-8484).
Be prepared to pay (cash, check or venmo) the day of the event BEFORE receiving your ticket.

Please indicate if you will be needing rentals and/or lessons when you RSVP.

SAVE THE DATE

ASCE Region 1 Spring 2024 Assembly Portland, Maine

Friday March 15th and Saturday March 16th



AC Hotel Portland Downtown Waterfront

Hotel Block of room @\$169/night plus taxes - use following link

<https://www.marriott.com/event-reservations/reservation-link.mi?id=1705944819313&key=GRP&app=resvlink>

Must book by 2/19/2024

**Note: you can edit stay duration, as it automatically shows ups as a three
night stay 3/14 -3/17**

Our contact is Rashad Zagon. If there are any issues, contact him at

Rashad.Zagon@crestlinehotels.com and 207.482.2955

Register for the Assembly by March 8th! Email Nate Strout: nate.strout@swcole.com

Call for Technical Presentations

Have you used an innovative solution to solve a complex problem recently? Have you used innovative technology to help your project be successful? Did you have a project that was just really cool and interesting? If so, MaineASCE invites you to share!

Come share your presentation with the engineering community at the Annual **MaineASCE Technical Seminar** in Spring 2024. We are looking for presentations with innovative technical solutions to help Maine's infrastructure. The technical seminar is a great way to get your name out to the engineering community. Each year, the conference is attended by 100 or more engineers, planners and town officials. **Email Ben Shaw bshaw@gorrillpalmer.com for more information.**

AWARDS Season!

Our Section continues to win national awards because of all our great members! To help say thank you, each year, the Maine Section ASCE recognizes an Engineer of the Year, a Young Engineer of the Year, and a Citizen Engineer. Many of our colleagues often go unrecognized for their contributions, and this is the opportunity to express gratitude for the good work and service to the community that they provide. Please consider submitting a nomination for one or more of the awards this year.

Civil Engineer of the Year – presented annually to an individual who is a P.E. in Maine, has demonstrated noteworthy engineering skills, and commendable contribution of their time to the betterment of society.

Young Civil Engineer of the Year – recognize the professional contributions of younger civil engineers. The recognition is made to an engineer who is an EIT or PE in Maine and is 35 years of age or less on May 1st of the year of the award and has attained professional achievement.

Maine Section Citizen Engineer – This award is to recognize Civil Engineers who are known for volunteering their expertise to help in their community or at a national level. These individuals have contributed significant personal energy to enhance the recognition of civil engineering as a respected profession through their involvement.

Submit your nomination forms and supporting information to the chair of the awards committee chair, Philip Dunn at the following mailing address: University of Maine, School of Engineering Technology, 5711 Boardman Hall, Room 119, Orono, ME 04469-5711 or through email at philip.dunnjr@maine.edu.

Kitty Breskin Project Award –

Maine ASCE has instituted the project award in honor of the late Kitty Breskin, P.E., a Maine Department of Transportation engineer and a past-president of Maine ASCE. The inaugural winner of the Kitty Breskin Project Award, presented at the May 14, 2015 annual meeting, was in fact the MaineDOT's Kitty Breskin-Muscongon Bridge Project. The project was honored for its innovative use of technology and important contribution to infrastructure in Maine.

In order for other projects to be considered for the award they will have to show the same innovation and contribution to the community as the inaugural award. The Maine Section Award committee will review nominations and notify the winner by May 15th. The award presentation will be made and the project will be featured at the Maine Section annual meeting typically held the third week in May. Nominations are to be submitted via mail to the ASCE President and received by 5 p.m. on April 30. This year's projects will be submitted to Nate Powelson, Maine Section ASCE President, 2023-2024. npowelson@thorntontomasetti.com

The nomination material should provide information on the project and its features. Examples to include would be how the project provided safety improvements, environmental benefits, was cost effective, had a shortened schedule, charitable aspect, unique design for Maine, or was first of its kind in Maine. Every project nomination does not need to have all of these mentioned but should showcase if applicable as they will be weighed heavily. Nominations should be limited to 6 pages total not including pictures (3 pages double sided or 6 single sided pages). Pictures need to be provided on a cd or memory stick and become the property of Maine Section ASCE to display as part of the award process. The project must be substantially built by April 15th of the year being nominated for and the design team and/or the project must be based in Maine.

Nominations will be received until **April 30, 2024.** *

[*Please email Heather Hayes, hhayes@vhb.com, for application forms!](mailto:hhayes@vhb.com)



Maine, We're Hiring

powereng.com/careers



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CONTACT: Don LeBlanc, P.E.
207-992-3080
don@dlviews.com



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A banner for the 'Proud Maine ASCE Sponsor'. The top half features a scenic image of a lighthouse and a large house on a rocky shore under a sunset sky. The text 'PROUD MAINE' and 'ASCE SPONSOR' is overlaid in white. The bottom half is white with the 'INTEGRATED OUTCOMES' logo (four blue horizontal bars of increasing length), the company name 'INTEGRATED OUTCOMES' in bold black, a pine branch with cones, the text 'LFOD INTEGRATION SERVICES', and the website 'WWW.LFOD.IO' in blue.

Sewal
The evolution of expertise
ATFIC Company

The image shows a business card for SME Sevee & Maher Engineers. The logo features the letters 'SME' in a large, bold, black sans-serif font. To the right of 'SME' is a stylized graphic consisting of a green semi-circle on top and a blue semi-circle on the bottom, separated by a white vertical line. Below the logo, the text 'SEVEE & MAHER ENGINEERS' is written in a bold, black, sans-serif font. Underneath that, in a smaller, all-caps, black, sans-serif font, is 'TRUSTED EXPERTS SINCE 1985'. To the right of the logo and company name, the address '4 Blanchard Road', 'P.O. Box 85A', and 'Cumberland, ME 04021' is listed. Below the address is the phone number 'T: 207.829.5016' and the email address 'info@sme-engineers.com'. At the bottom of the card, the phrase 'Multidisciplinary consulting engineering services' is written in a blue, italicized, sans-serif font. Below this phrase is a horizontal line, and underneath the line is the text 'ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE' in a black, sans-serif font. At the very bottom of the card is the website 'sme-engineers.com' in a bold, blue, sans-serif font, and to the right of the website is a square QR code.

Do you run your own consulting firm, or have a business that the Maine engineering community should know about? Advertise with a business card! Business card listings run for 1 year, including 9 issues of the Informant and full time on the website. Cost: \$150.00
Discounts Available: Purchase a 1-year Business Card ad and receive a \$25 discount on a Job advertisement!

Advertise for new employees at any level – students, EITs, and PEs will all see your ad.
Job advertisements are posted in one issue of the Informant and on our Facebook page.

Cost:

- Quarter Page (3.75"x5") - \$35
- Half Page (7.5"x5") - \$75 for 1 month
 - \$500 for 1 year (9 issues)
- Full Page (7.5"x10") - \$150 for 1 month
 - \$1000 for 1 year (9 issues)

The deadline for submissions is the 20th of each month prior to publication.