

THE

# INFORMANT

NEWSLETTER OF THE MAINE SECTION ASCE

## March 2019



### From the Editor:

I guess March came in like a lion per usual! Despite the snow, the Maine Section continues to work hard to bring the members worthwhile programming. The Technical Seminar is a short 2 weeks away so please RSVP! You can earn 7 PDHs!

Please consider nominating your peers and projects for the Maine Section ASCE Awards! This year's nominations are due by 4/12/19!

If you have ideas, suggestions, questions, etc. please feel free to contact us at [Informant@maineASCE.com](mailto:Informant@maineASCE.com).

I hope to see you soon!

*Heather*

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### Maine Section ASCE - Save the Date(s)

#### March 2019

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3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	<b>21 Technical Seminar</b>	22	<b>23 Ski-A-Thon</b>
24 31	25	26	27	28	29	30



## President's Message

I want to apologize for the last-minute cancelation of our February Meeting. The presenter had another commitment and was not able to attend. Hopefully we can get him rescheduled for another meeting. That said this past month was a great and we had lot going on here in Maine. We ended January by sending five members to Orlando for the Multi Region Leadership Conference. This conference gives the leadership of Maine ASCE the opportunity to meet with other sections and to learn from them. In February we had Badge Day and the Ski Day with the UMaine Student Chapter. Both events were a success despite having to reschedule the ski day due to severe winds. We ended things this past weekend with the engineering Expo at the University of Southern Maine. I want to thank all the volunteers that helped with both the Badge Day and the Engineering Expo. It's amazing to get to interact with the kids at these events and without the continued support of our volunteers it would not be possible.

There's no meeting this month but we hope to see you at our technical seminar in Auburn on March 21. We have a lot of great presenters lined up for this year's event. In March ASCE will also be participating in the annual Ski-A-Thon up at Sunday River to benefit Maine Adaptive Sports and Recreation. For those that are not familiar with Maine Adaptive they provide year-round adaptive recreation opportunities for adults, children, and veterans with physical disabilities. These programs allow individuals that would not normally be able to enjoy sports such as skiing the opportunity at no cost. To donate securely over the internet, click the link <https://www.firstgiving.com/team/386414>.

In April the UMaine ASCE Student Chapter will be hosting the New England Regional ASCE Student Conference. To support this effort the students are looking for sponsors. The event includes the Concrete Canoe Competition, the Steel Bridge Competition, Sustainable Dog House Competition, and the Blue Sky Competition. The students are trying to raise \$15,000 to support this event and have only resided about half of the funds needed. If you or your company can afford to support this event see the attached donation form. The deadline to receive donations has been extended to March 15.

I hope to see you at one of our upcoming events.



*Lucas Stiles, P.E.*

Maine Section ASCE President



## Maine Section of American Society of Civil Engineers Technical Seminar

Maine Section  
American Society of Civil Engineers

### Hilton Garden Inn, Auburn March 21, 2019

Come join the Maine Section of the American Society of Civil Engineers at our Annual Technical Seminar. This year's seminar Topics include:

- 2-D Hydraulic Modeling
- Mobility and Traffic Signalization
- Update on UMaine Engineering, Education & Design Center
- Solar Energy
- Mass Timber Construction
- Climate Change
- Bridge Reconstruction
- And MORE!

**Earn 7 PDHS!**

#### Schedule:

7:30 - 8:00	Registration
8:00 - 12:00	Speakers
12:00 - 1:00	Lunch
1:00 - 4:30	Speakers



#### Price:

- \_\_\_ \$130 Government/Municipal Officials
- \_\_\_ \$150 Maine ASCE Member
- \_\_\_ \$175 Non-Members and Members/Government/Municipal after Thursday, March 14<sup>th</sup>.
- \_\_\_ \$60 Students, Retirees, Life Members, and Unemployed Members

#### Location:

Hilton Garden Inn  
14 Great Falls Plaza  
Auburn, ME 04210  
(207) 777-7328

#### Send registration to:

Ray Bolduc  
WBRC Architects Engineers  
44 Central Street, Bangor, Maine 04401  
(207) 947-4511  
ray.bolduc@wbrcae.com

**Make Checks Payable to Maine ASCE**  
Payment will be accepted at the meeting.  
We reserve the right to invoice no-shows.



Name: \_\_\_\_\_ Life Member: \_\_ Y \_\_ N

Organization: \_\_\_\_\_

Email address for confirmation: \_\_\_\_\_



**Maine Section ASCE Annual Technical Seminar**  
**Thursday, March 21st, 8:00 a.m. to 4:30 p.m.**  
**Hilton Garden Inn, Auburn, Maine**

**AGENDA:**

- 7:30 – 8:00 **Registration, Coffee/breakfast**
- 8:00 – 8:05 **Welcome Remarks**
- 8:05 – 9:10 **2-D Hydraulic Modeling to Solve Transportation and Land Use Challenges**  
Presented by: Ellen O'Brien, P.E. and Nicki Buck, P.E.; Northstar Hydro
- 9:10 – 10:15 **Mobility – Traffic Signals Are Getting Smarter but Are We Taking Advantage?**  
Presented by: Steve Landry, P.E., State Traffic Engineer, MDOT
- 10:15 – 10:25 **Break**
- 10:25 – 10:45 **Update on the new UMaine Engineering Education & Design Center**  
Presented by: Dr. Dana Humphrey, P.E., Professor & Dean, UMaine College of Engineering
- 10:45 – 11:50 **An Introduction to Solar for Water and Waste Water Treatment Districts**  
Presented by: Nick Sampson, Commercial Solar Consultant for ReVision Energy
- 11:50 – 1:00 **Lunch**
- 1:00 – 1:45 **Mass Timber – The Patrons Office Building Glulam Frame**  
Presented by: Christopher Williams, P.E. S.E., Becker Structural Engineers
- 1:45 – 2:50 **Climate Change and Extreme Events, A Challenge for Sustainable Infrastructure**  
Presented by: Miltiades Zacas, PhD, P.E., FGS/CMT, Inc.
- 2:50 – 3:15 **Break**
- 3:15 – 4:20 **The Cummings Road Bridge Replacement Project**  
Presented by: Josh Olund, P.E. PhD and Tim Cote, P.E., HNTB
- 4:20 – 4:30 **Closing Remarks and Adjourn**



## UMaine Student Chapter Update

**P3: Practitioner Presentations & Pizza** is chugging along for our Spring 2019 semester.

- February 6: Craig Coolidge from Summit Geoenvironmental Services spoke about typical geotechnical practices in New England, including in what situations certain equipment might be used.
- February 20: Wayne Emmington from the Federal Highway Administration spoke on the role civil engineers have in public safety.

**We are seeking 6 additional practitioner speakers to finish out this semester.**

These presentations are a great way for our student members looking for summer internships and full time positions to relate course content to the broader profession, and network. Please contact Alden Burns (alden.burns@maine.edu) to inquire about getting on the schedule.



### Social Events:

Each month we like to schedule social events to hang out and network with our professors and fellow civil engineering students. We held CIE 1000 (pizza and beverages for all!) at Pats Pizza on February 1, Bowling Night at the Old Town Bowling Alley on February 22, and joined the Maine Section for Ski Day at Sugarloaf on February 23. We often post our events on the UMaine ASCE Facebook Page, so please look us up and join us anytime you're in the area!

### New England Regional ASCE Student Conference:

We are most excited that UMaine is hosting the New England ASCE Regional Student Conference on April 12-14, 2019. The Conference will be attended by 450-500 students from the greater New England region, who will participate in a business meeting, professional/technical presentations, competitions, social activities, and an awards banquet. Competitions include Concrete Canoe, as well as two new competitions this year: Sustainable Solutions Competition - Dog House Challenge and the Blue Sky Competitions Contest. The Conference Host Committee, comprised of a dozen UMaine Civil & Environmental Engineering students, is learning valuable project management, scheduling, budgeting, and fundraising skills for this large scale event.

The UMaine Conference Host Committee is seeking financial sponsors from New England engineering companies, government agencies, and individuals. Becoming a sponsor of the New England Regional ASCE Student Conference means you'll be helping to defray the costs of hosting the event. Our goal is to raise a total of \$15,000, which will ensure team and individual participant registration costs remain financially feasible for all team and student attendees. The table below explains the levels of sponsorship. All sponsors will be sent a letter thanking you for your tax-deductible donation. If you are interested in being a sponsor please email Erin Brewer (erin.brewer@maine.edu).

Sponsorship Level	Donation Amount	Rewards
UMF Beaver	\$499 and under	Company name on Conference t-shirt
USM Husky	\$500 to \$999	Company name and logo on Conference t-shirt
UMA Moose	\$1000 to \$2999	Networking table at Conference, Company name and logo on Conference t-shirt
UM Black Bear	\$3000 and above	Named sponsor of the Competition of your choosing, Networking table at Conference, Company name and logo on Conference t-shirt



### Steel Bridge:

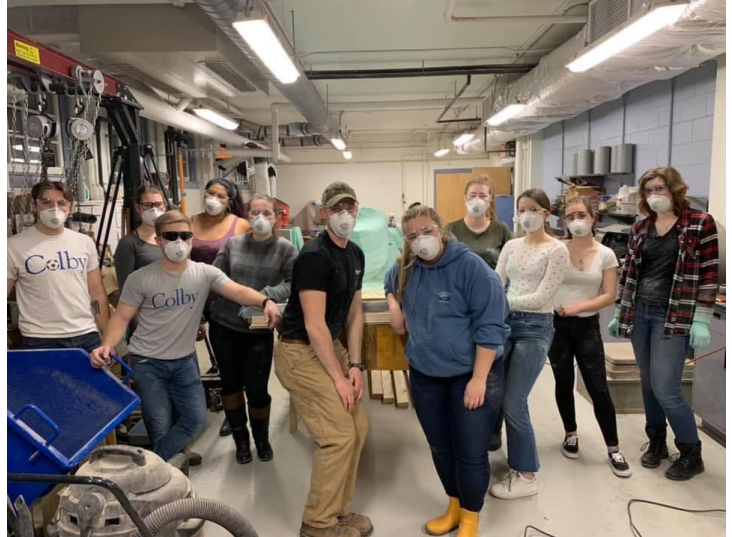
The team has finished fabricating the bridge with the help of Cives Steel and Clark's Machine Shop. They have started to practice building for the New England Regional Competition in April. We'd like to thank Maine ASCE for your \$500 donation this year!

### Concrete Canoe:

Our concrete canoe team recently cast their canoe on February 18. In the few weeks leading up to casting day, the team spent long hours in the lab preparing the dry mix and sanding the canoe mold so that it would be ready for casting day. We'd like to think Maine ASCE for your \$500 donation this year!

### Job Shadow:

For the second year, we are offering our Job Shadow opportunity for students. We are looking for companies who are willing to host a student for a day during spring break (March 18-22, 2019) to learn about your company and interview for potential summer interns! Please contact Esther Bizier ([esther@main-landdci.com](mailto:esther@main-landdci.com)) or Melissa Landon ([Melissa.landon@maine.edu](mailto:Melissa.landon@maine.edu)) for more information or to sign up!



We at UMaine ASCE thank you so much for your support!

## Call for Volunteers!

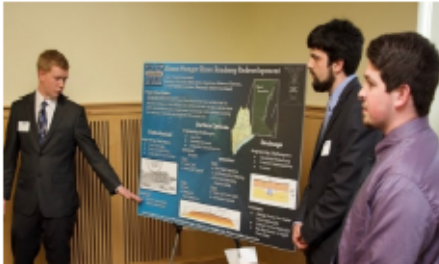
Calling all Professional Engineers! The Maine Section is looking for engineers who would like to judge student capstone project posters and presentations at the University of Maine Senior Gala. This year, the Gala will be held on Monday, April 29 with judging from 4:30 to 6pm. Judges will need to arrive by 4:15 in order to begin promptly at 4:30. If you are interested and can help with this event, please email Esther Bizier ([esther@main-landdci.com](mailto:esther@main-landdci.com)). This is a great way to meet students and show them the value of continued involvement in Maine ASCE – hope to see you there!





The American Society of Civil Engineers  
Maine Section Presents:

## 2019 Senior Capstone Project Gallery & Presentation



**When:** Monday, April 29, 2019 from 4:30pm to 8pm

**Where:** Wells Conference Center, University of Maine in Orono

**What:** The senior civil engineering students will be displaying their capstone posters during the social hour. Each of the capstone teams will present their posters to a team of judges while competing for the coveted Gala Cup and cash prizes. This is your chance to see what the seniors have learned over the past four years at the University of Maine. After judging is complete, dinner will be served and the raffle will be drawn.

Following dinner, hear a professional presentation on an exciting engineering project. More information on the presentation is coming soon. Following the presentation, prizes will be awarded!

*Maine ASCE is looking for professional engineers to judge the senior capstone projects and are looking for Maine companies to sponsor a table. All table sponsors receive one free registration! If you are interested in either of these opportunities, please contact Esther Bizier at [esther@main-landdci.com](mailto:esther@main-landdci.com).*

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Number of Attendees: \_\_\_\_\_

Life Member: \_\_\_Yes \_\_\_No

**Cost:**

- \_\_\_ \$40 ASCE Members Before RSVP Deadline
- \_\_\_ \$45 Non-Members and Members After RSVP Deadline
- \_\_\_ \$30 Parents, Retirees, and Unemployed Members
- \_\_\_ \$10 Students\*\*
- \_\_\_ \$0 Life Members

**Schedule of Events:**

- 4:30-6:00 Registration, Social, and Judging
- 6:00-6:45 Dinner and Raffle
- 6:45-7:45 Presentation
- 7:45-8:00 Awards

**Contact:**

Mail or email your RSVP by April 15 to:  
Carly Buswell  
UMaine ASCE Student Chapter Secretary  
5711 Boardman Hall  
Orono, ME 04469  
[carly.buswell@maine.edu](mailto:carly.buswell@maine.edu)

\*Make checks payable to: Maine Section ASCE. Parents – you do not need to pay for your senior students!



## Judges and Sponsors Needed For 2019 Senior Capstone Project Gallery & Presentation!



The Maine Section of the ASCE is currently looking for sponsors and judges for the 2019 University of Maine Senior Capstone Project Gallery & Presentation taking place on Monday, April 29 at the Wells Conference Center on the University of Maine campus from 4:30pm to 8pm.

We are looking for people to judge the senior civil engineering student's capstone posters to determine which capstone team will win the coveted Gala Cup and cash prizes! All judges will get half off of the registration fee for the dinner and presentation after the judging is complete.

We are also looking for company sponsorships! We are asking that each firm donate \$200 and provide at least one small gift to be used as a raffle item. The cash donation is intended to help offset the cost of the students' dinner and registration fees, and includes registration for one representative from your company for this event. The raffle item does not have to be expensive and we suggest anything from a gift card, or something as simple as donating some of your company's branded gear (could be a company logo shirt or similar).

If you are interested in being a judge or sponsor or have any questions, please do not hesitate to contact Esther Bizier at [esther@main-landdci.com](mailto:esther@main-landdci.com) by April 19<sup>th</sup>. Checks for sponsorships can be made out to Maine Section ASCE and can be sent to Esther Bizier at the following address: PO Box Q, Livermore Falls, ME 04254.





## Recognize Your Peers with a Maine ASCE Award!

Our Section continues to win national awards because of all of 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.

<http://www.maineasce.com/downloads/Awards/MaineEOYNominationForm.doc>

**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.

<http://www.maineasce.com/downloads/Awards/MaineYoungEOYNominationForm.doc>

**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.

<http://www.maineasce.com/downloads/Awards/MaineCitizenNominationForm.doc>

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](mailto: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-Muscongus 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 1. 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 12. This year's projects will be submitted to Lucas Stiles, Maine Section ASCE President, 2018-2019. Kleinschmidt Associates, 141 Main St, Pittsfield, ME 04967

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 1 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 12, 2019.**



## Save the Date

### Maine Section ASCE Annual Meeting and Awards Banquet

May 22, 2019

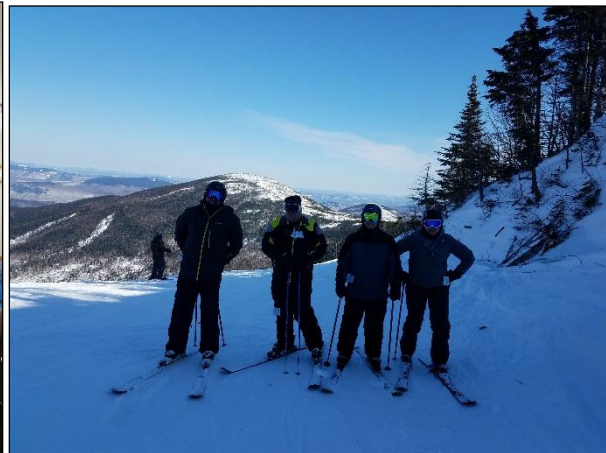
5:00pm to 8:30pm

Spring Meadows Golf Club

Join us as we unwind from another busy year at the Maine Section ASCE Annual Meeting and Awards Banquet. Watch for more information on how to register in future issues of the Maine Section ASCE Informant!

## Ski Day Recap!

The 4<sup>th</sup> Annual ASCE Ski Day with the Student Chapter took place February 23 at Sugarloaf. A group of 22 ASCE members, students, family and friends met for a day on the slopes. We were fortunate to have a bluebird day and no wind – the nicest day at Sugarloaf yet this year! We met up for a lunch of nachos, salad, chicken fingers and pizza at the Sugarloaf Inn and played “So You Think You Know Maine” Trivia. Congratulations to our winning team – Katy Bouchard, Erin Brewer and Eric Labelle. We hope that more people can join us next year!





March 23, 2019 \*Sunday River Resort



## Join ASCE in Support of Maine Adaptive for the 34<sup>rd</sup> Annual Ski-A-Thon

ASCE will be forming a team and ask each member to raise a minimum of \$250 per person. All team members receive:

- A **FREE** ski pass for the day of the event
- A delicious breakfast, lunch, and evening celebration
- An event t-shirt



Email Mackenzie if you are interested in joining a team!  
[mдемkowicz@vhb.com](mailto:mдемkowicz@vhb.com)



## STEM Camp Scholarships

The Maine Section of the American Society of Civil Engineers (ASCE) is happy to announce the continuation of our **SUMMER STEM CAMP SCHOLARSHIP** program!

- ✓ **Who?** Maine Students currently enrolled in Grades K-8.
- ✓ **What?** To attend Science, Technology, Engineering and Mathematics (STEM) oriented camps.
- ✓ **Where?** Any STEM camp you choose!
- ✓ **When?** Applications must be received by April 30<sup>th</sup>
- ✓ **How much?** Up to \$350 to cover the cost of camp!

*The fine print:* To help those who may need assistance with camp fees we will be providing an undetermined number of scholarships to winners statewide. The selection criteria will be based on financial need and the camper's statement about why they would like to attend a STEM camp.

The payment will be sent as a reimbursement to the parent once the camp is complete and proof of attendance/cost is received. If for any reason your camper cannot attend the camp as intended the scholarship will be given to the next eligible applicant on our list.

Each camper will be asked to send us pictures and write a letter about their experience to share with the board and membership as a "thank you". This isn't meant to be homework - we're just very excited to hear about your adventure!

To apply for a scholarship please fill out the following form and mail or email to:

ATTN: Heather Hayes  
James W Sewall Company  
40 Forest Falls Drive, Suite 2  
Yarmouth, ME 04096  
[heather.hayes@sewall.com](mailto:heather.hayes@sewall.com)

You can also call if you have any questions:  
207-817-5485

**ASCE Engineers helping students test bridge designs**





**SUMMER STEM CAMP SCHOLARSHIP APPLICATION**

**About the Student**

Name: \_\_\_\_\_

School: \_\_\_\_\_

Age & Grade: \_\_\_\_\_

**About the Parent(s)**

Number of children: \_\_\_\_\_

Ages of children: \_\_\_\_\_

Expected annual income (approximately): \_\_\_\_\_

Name and Mailing Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**About the Summer Camp**

Name: \_\_\_\_\_

Location: \_\_\_\_\_

Cost: \_\_\_\_\_

Now for the fun part! We need the camper to tell us, in 500 words or less, why they want to attend this camp. Use additional sheets as needed.

\_\_\_\_\_

\_\_\_\_\_

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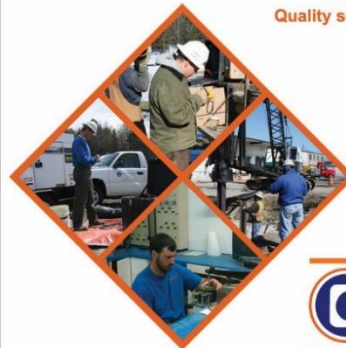
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**DLVEWS**

CONTACT: Don LeBlanc, P.E.  
207-892-3080  
don@dlvews.com



Installation of low density cellular concrete in a state building courtyard in Cumberland

## Advertise with Maine ASCE

Would you like to advertise in the Informant? Take a look at our rates, and contact the editors at [Informant@MaineASCE.com](mailto:Informant@MaineASCE.com) with any questions. An order form is available online or directly from the editors. Click here to download our Ad Form in [Word](#) or in [PDF](#).

## Business Cards

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!

## Job Listings

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 will run on the website for one month.

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)





## MaineASCE Board & Committee Contacts

MASCE MAINE SECTION CONTACT LIST				
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Esther Bizier	Secretary		Main-Land Development Consultants, Inc.	<a href="mailto:secretary@maineasce.com">secretary@maineasce.com</a>
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The deadline for submissions is the 20<sup>th</sup> of each month prior to publication.