



President's Letter



Happy New Year! This newsletter marks the midway point of the SENH meeting calendar and the start of 2012. You will find included in this newsletter annual reminders, articles from our members and membership renewals. I am pleased to announce that the SENH dues renewal cost remains unchanged from last year.

2011-2012 SENH BOD Goals

For the upcoming SENH calendar year, the SENH Board has set three goals for the upcoming year which will be updated in each newsletter:

- **Scholarship** - Establish a dedicated fund for SENH scholarships. This was a goal from last year that needs additional research over the next year.
- **Improved Record Keeping** - SENH has existed as a formal organization since 1995 and since that time a number of documents, email, etc has been generated. This goal includes central storage of past and future documents as well as policies for future record retention.
- **Finalize SENH Policies** - Over the past several years, the SENH Board of Directors have prepared and approved 15 policies to help guide the organization and improve continuity (see <http://www.senh.org/by-laws#Policies>). There are several additional policies in development that will be finalized over the next year so that all incomplete policies have been addressed.

Our thanks go to Fred Emanuel who has been appointed to another two year term on the New Hampshire Manufactured Housing Installation Standards Board as one of two Professional Engineer Members. SENH provided a letter of support for Fred and appreciates his efforts with this group. See page 2 of the newsletter for more information on this organization.

Finally as part of the SENH web site and hosting upgrades we made earlier in the year, we now have dedicated email addresses from several positions in the organization. Emails accounts have been created for president@senh.org, treasurer@senh.org and admin@senh.org. Emails sent to these addresses are forwarded to the person currently holding the position and will provide consistency for outside groups contacting us and should also provide a more professional appearance for the organization.

I look forward to seeing you at our next meeting and if you have any questions or comments please feel free to contact me at (603) 669-5555 or <mailto:President@senh.org>.

"The road to success is always under construction"

Attributed to Lily Tomlin

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Special Points of Interest/ Reminders:

- *2012 SENH Dues renewal has started— Please submit yours by 1/31/2012*
- *Corporate sponsorship is open again! See inside for form.*
- *The January Meeting is January 12th See inside for details.*

Update on Building Code Review and Code Legislation,

Submitted by Linda McNair-Perry, P.E.

I was asked to update our members on what has been going on at the New Hampshire Building Code Review Board (BCR), which meets monthly. In addition, I have been serving on a BCR sub-committee that reviewed the International Fire Code (IFC). This sub-committee made recommendations to the BCR based on the current New Hampshire Revised Statutes Annotated (RSA) which codified the building codes into law. The meeting notes and sub-committee meeting notes are available on line at www.nh.gov/safety/boardsandcommissions/bldgcode/meetings/archives.html.

As most of you know the BCR previously took action to adopt the 2009 I-codes and has been waiting on the NH Legislature to ratify that adoption formally. The **pending HB 137**, as currently amended by the Executive Departments and Administration Committee (ED&A), will ratify the 2011 NEC and the 2009 IBC, IPC, IMC and IRC codes except that no sprinklers may be required for 1- and 2-family dwellings. These codes were already updated within the current BCR rules. HB 137 will also add the 2009 International Existing Building Code to the list of codes included in the NH Building Code, as defined by RSA 155-A:4, IV.

The other aspect of this legislation is the inclusion within RSA 155-A of a definition for the NH Fire Code as the Life Safety 2009 Edition and the Uniform Fire Code NFPA 1, 2009 Edition. This legislation also amends RSA 153 such that the fire marshal will adopt rules known as the state fire *prevention* code. The language within the bill specifically states "it is the intent of this legislature that there be no conflict between the state building code and the state fire code in their adoption or application." Any amendments to the state building code or fire code would need to come before the BCR for approval and ratification of the legislature.

This legislation also eliminates the BCR's ability to update the building codes and clarifies the roles of the BCR and the legislature in adopting amendments to the NH building code and state fire code. The membership of the BCR is clarified by HB 137 and expands the BCR to include fire protection representatives as well as a representative of the residential modular construction industry. It would also require the BCR to elect a vice-chair.

The [Official Docket of HB 137](#) shows that the ED&A Committee has recommended that the amended 2011 bill come before the full House on January 4, 2012. The 'final' language (with minor edits) of the amended bill has not yet been posted in the docket or in the House Calendar. I will let you know when the official amended bill is posted. **Please understand that this is snapshot of where things stand legislatively at this time.** If the bill passes the House in January, it will then go to the Senate. As such, I am certain that this is not the last you will hear on this matter. In addition, no language has been made available for the proposed House and Senate 2012 LSRs, so we only know the titles which are available on line at www.nh.gov. Stay tuned.

Manufactured Housing Installation Standards Board,

Submitted by Fred Emanuel, P.E.

Fred Emanuel, P.E. – SENH member continues to serve on the NH Manufactured Housing Installations Standards Board.

During 2011, the MHISB has been relocated from the NH Department of Safety to the NH Joint Board offices.

The 13-member board continues with providing input to developing requirements and operations for the Installation Standards Board. As of October 2011, there were 98 licensed installers registered with the board. All must be bonded. A continuing education program has been set up to train and educate the installers. Both public and non-public sessions have convened over the past discussing bonding requirements of the installers and consumer complaints. Meetings are held in the NH Joint Board offices in Concord at 57 Regional Drive.

The installation standards apply to all new and relocated manufactured housing that is used as a residential dwelling. Adoption of the organization rules of The Manufactured Housing Installation Standards Board Inst 100 became effective on December 24, 2005. The rules are available on line at nh.gov/jtboard/installers.htm.

Inspections are performed by the local enforcement agency or if there is no local enforcement agency, the State Fire Marshall's designee may conduct appropriate inspections. Once the installation is approved, the authority will issue a certificate of compliance prior to occupancy.

A consumer, park owner, manufacturer, retailer, or installer of a manufactured home that is aggrieved or having a dispute regarding the installation of a manufactured house may file a complaint with the NH Joint Board.

Manufactured Housing Installation Standards Board, *Continued from Page 2*

Members of the board include the following:

- Gary Francoeur – Chairperson
- Craig Therrien – Installer member
- Fred Emanuel, P.E. – Professional Engineer member
- James Baird – Dealer or retailer member
- Linda Rogers – Manufactured Housing Park member
- Kenneth Burgess – Manufactured Housing Park member
- John R. Cannon – Cooperative Manufactured Housing Park member
- Wayne Moore – Municipal Building Code Official member
- Thomas Morrison – Municipal Fire Chief member
- Mark Belter, P.E. – Professional Engineer member
- Robert Cook, Sr. – Homeowner member
- Member – position available
- Member – position available

For further information, contact Linda Balich at (603)271-2219 or linda.balich@nhsa.state.nh.us

NCSEA Conference, Oklahoma, *Submitted by Robert H. Durfee, P.E.*

The 19th Annual NCSEA Conference was held in Oklahoma City, OK on October 20-22, 2011. Delegates Bob Durfee and Alex Azodi attending the conference on behalf of SENH and participated in the many technical and business meeting sessions.

Highlights of this year's conference were technical presentations on "Speaking to the Media", "Building Renovations", "Forensic Design", "Specialty Structural Engineering" and "Business Issues". Several round table discussions were held on these subjects. During the business portion of the Conference, delegates voted unanimously to adopt the NCSEA "[Policy On Separate Structural Engineering Licensure](#)". NCSEA now has an adopted policy, similar to the policies by ASCE, SEI and CASE, for Separate Structural Engineering Licensure.

A complete report by Bob Durfee on the Conference is posted on the SENH website.

New Members, Associate Members & Student Members

SENH welcomes the following new Members, Associate Members & Student Members:

Associate Member:

- ◇ Alice Chao, E.I.T., Hoyle, Tanner & Associates, Inc.

2012 Dues Renewal

It's that time of year again. This year SENH is proud to announce that there is no increase in dues and remains at \$55.00 for Members and Associate Members. Also, for any current FULL TIME Student Member the renewal fee of \$15.00 is being waived. Simply fill out the renewal form and mail it in to the address provided. A renewal form is included in this newsletter and can also be found at the SENH website.

Corporate Advertisements

SENH is currently accepting corporate advertisements starting with the March 2012 newsletter. The cost of the advertisements will be on an annual calendar year basis and will be included in our 5 newsletters as well as links on our web site. The advertising artwork must be in the form of a 1.3" x 2.3" business card. Please see the "Corporate Advertising Form" in this newsletter for more details.

JANUARY MEETING ANNOUNCEMENT

NEXT MEETING: Thursday, January 12, 2012

PRESENTATIONS: **NHDOT Bridge Program Update:** *by Mark Richardson, PE* - Find out what has been going on at NHDOT and what is on the horizon.

Thermoplastic Bridges: *by John Kim, PE* - An exciting sustainable and durable bridge design option which can compete with traditional steel and concrete structures. You will find out how your plastic bottles and car bumpers are being put to good use to build the infrastructure of our country.

SPEAKERS: Mark Richardson, PE, NHDOT Bridge Design Bureau Administrator
John Kim, PE, Senior Bridge Design Engineer - Parsons Brinckerhoff

PLACE: Courtyard Marriot - Grappone Conference Center
70 Constitution Avenue
Concord, NH 03301

AGENDA: 5:30 pm-6:30 pm Social Hour
6:30 pm-7:15 pm Dinner
7:15 pm-7:30 pm Business Meeting
7:30 pm-9:00 pm Presentations

DINNER: Buffet with choice of Sliced Sirloin of Beef or Chicken Saltimbocca

COST: SENH Member: \$45.00 Non-Member: \$55.00 Full Time Student: \$15.00

RSVP: by Monday, January 9, 2012. There will be a \$5.00 late fee for anyone wishing to RSVP past this date.

Please send check payable to "Structural Engineers of New Hampshire" with list of attendees to:

Hoyle, Tanner & Associates, Inc.
Attn. Deb Coon
150 Dow Street
Manchester, NH 03101
Contact: Deb Coon, Administrative Assistant
dcoon@hoyletanner.com

NOTE: 2.0 PDHs have been assigned for attendance to this program. Attendees are responsible for ensuring their check-in on the attendance list upon arrival at the meeting.

September 2011 Meeting Attendance List & Meeting Minutes

Business Owner Roundtable The Derryfield Restaurant (2.0 PDH's) November 17, 2011

Name	Organization	Name	Organization
Alex Azodi, P.E., SECB	Omega Structural Engineers	Sean James, P.E.	Hoyle, Tanner & Assoc., Inc.
H. Edmond Bergeron, P.E., NAFE	HE Bergeron Engineers	Roger Keilig, P.E., CPESC	HTE Northeast, Inc.
Josif Bicja, P.E.	Hoyle, Tanner & Assoc., Inc.	Thomas E. Lamb, P.E.	TFMoran, Inc.
Robert S. Busby, P.E.	Kalwall Corporation	Matthew J. Low, P.E.	Hoyle, Tanner & Assoc., Inc.
Normand G. Cote, P.E., SECB	NGC Structural, LLC	Josh Lund, P.E., SECB	McFarland Johnson, Inc.
Tony Coviello, P.E.	Summit Engineering, PLLC	Kenneth G. Marshall, P.E.	Foley Buhl Roberts & Associates, Inc.
Fred Emanuel, P.E.	Emanuel Engineering, Inc.	Lisa M. Martin, P.E.	Quantum Construction Consultants, LLC
Roger W. Gayer, P.E.	Structures Unlimited, Inc.	Paul Sbacchi, P.E.	TFMoran, Inc.
Derek J. Gilbert, P.E.	Foley Buhl Roberts & Associates, Inc.	Adam M. Stockin, P.E.	Parsons Brinckerhoff
Robert S. Hartford, P.E.	Kalwall Corporation	Jeffrey L. Tirey, P.E., SECB	Tirey & Associates, P.C.

Business Portion of the Meeting

SENH President Sean James, PE opened the membership meeting.

1. SENH is planning to sponsor a seminar on fracture critical bridge design to be held at NHDOT in winter of 2012.
 2. SENH is planning on sponsoring a building seminar next year in the fall.
 3. Revision efforts for SENH policies are nearly completed.
 4. SENH dues will not increase for 2012. Lifetime memberships are under consideration.
 5. Fred Emmanuel PE has been signed on the NH Manufactured Housing Review Committee for another 2- year term.
 6. The January 2012 meeting topic will be bridges, and the Board is considering asking Mark Richardson PE to be the main presenter.
-

Round Table Discussion of Small Business Owners

Round table participants included Jeff Nawrocki PE of JSN Associates, Inc., Ed Bergeron, PE of HE Bergeron Engineers, Inc., Lisa Martin, PE of Quantum Construction Consultants, LLC and Fred Emmanuel, PE of Emmanuel Engineering Inc. The panel answered questions from the membership on their motivations for starting their businesses, responsibilities and rewards of business ownership and most difficult decisions and trying circumstances.

Respectfully submitted,
Norm Cote PE, Secretary



UNH 2011 Fall Career & Internship Fair Update *by Linda*

McNair-Perry, P.E., SEBC—SENH-UNH Liaison

Once again, I had the opportunity to interact with the UNH students at the Fall Career and Internship Fair. There were 950 students that attended, which is a record turnout for a fall fair. The aisles were literally jam packed with enthusiastic students engaged in conversations with potential employers. I collected some resumes for students looking for internships (most in the summer, but it is never too early to ask) and for students who will graduate in December 2011.

I met with a Stanford University (MSCE) graduate who is the spouse of UNH student. She is an E.I.T. with a few years of experience who is looking for part time work in civil engineering, particularly in the area of structural engineering. I have also received the resume of a recent UNH civil engineering graduate with an E.I.T. certification who has a special interest in structural engineering as is reflected in his coursework.

Let me know if you are interested in seeing these resumes.

The next fair will be March 6, 2012. As always, please keep me posted regarding any career or internship opportunities that could benefit the UNH students.

UNH Steel Bridge Team *by Anabelle Allen, Senior UNH Steel Bridge Team Captain*

Greetings from UNH! It's been a busy fall semester here diligently designing and working on the 2012 UNH steel bridge. We have a dedicated and aggressive team this year who have all been working very hard to produce one of UNH's best bridges for the 2012 competition that is being held at UMass Amherst on March 31st. With our great success of winning Regional's and placing 13th at National's last year we have a tough reputation to maintain and have been investigating new ways to do so. Unfortunately, with the same budget as previous years we have a limited amount of funds to work with. Any support or donations to the team would be greatly appreciated so we can do just as well and hopefully even better than last year. We have some really great design ideas that we think can bring us home the gold, we just need a little "gold" in advance to get there.

Anyone who is interested in helping out our 2012 team can contact Linda Perry. Monetary contributions can be sent to ASCE Student Chapter Advisor, Dr. Medina, at UNH Department of Civil Engineering, W183 Kingsbury Hall, Durham, New Hampshire 03824. The checks should be made out to "UNH ASCE" and include "Steel Bridge Team" in the memo line. Note, it is \$200 for sponsorship which means your firm will be recognized on the UNH team shirts.

Thanks to all that have supported us in past years, we wouldn't have gotten to where we are without you! Wish us luck!

Tony Coviello **Re-Elected to City Council.**

Congratulations to SENH Board of Director Tony Coviello on his recent re-election to the Portsmouth City Council. Tony was elected to his second, consecutive 2-year term.

LICENSURE POLICY APPROVED BY NCSEA

During the NCSEA 19th Annual Conference held in Oklahoma City, October 20 - 22, the Member Organization Representatives in attendance discussed and unanimously approved the NCSEA Policy on Separate Structural Engineering Licensure. The Policy encourages all jurisdictions to adopt legislation that defines the practice of structural engineering and restricts it to those who have demonstrated competence by licensure as a Structural Engineer. The Policy supports the use of the NCEES 16 - hour examination and the NCEES Model Law Structural Engineer as the basis for licensure of Structural Engineers. Within the Policy, NCSEA also encourages equitable transitioning of engineers currently practicing structural engineering.

Our Sponsors

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 Paul E. Sbacchi, PE <i>Chief Structural Engineer</i> E: psbacchi@tfmoran.com T: (603) 472-4488 W: www.tfmoran.com	
TFMoran Inc. 48 Constitution Drive, Bedford, NH 03110	

Employment Opportunities

BRIDGE PROJECT MANAGER
<p>McFarland Johnson has a strong & growing backlog of bridge design projects throughout New England. Our current portfolio of challenging assignments creates an exciting opportunity for the right highly-qualified & experienced engineering professional.</p> <p>A Bridge Project Manager w/ minimum of 12 yrs experience is needed in our Boston Area office. Duties include managing the design of bridge rehabilitation & replacement projects throughout NE. PM experience along w/ excellent verbal & written communication skills required. Successful candidate must be a practice builder w/ business development skills & the ability to grow the Boston Area transportation market sector. PE w/ MassDOT experience required, Mass Municipal as well as other New England DOT experience preferred. MJ offers a comprehensive salary & benefits package, & a 100% employee owned ESOP.</p>
 McFarland Johnson <i>Innovative Solutions / Sustainable Results</i>

employment@mjinc.com McFarland Johnson P. O. Box 1980 Binghamton, NY 13902 AA/EEO M/F/D/V



SENH 2012 Dues Renewal Notice



Member of

Renewal dues are as follows:

Member: \$ 55.00

Associate Member: \$55.00

~~Student Member: \$15.00~~

Retired Member: \$15.00

Waived for 2012

Please make check payable to SENH, and send with completed form to:

SENH
P.O. Box 226
Manchester, NH 03105-0226

BY January 31, 2012

**If sending one check for more than one person, please fill out a renewal form for each person.*

PLEASE FILL OUT COMPLETELY, THIS FORM IS USED FOR CONFIRMING AND UPDATING LISTS!

Please check one:

Member Associate Member Student Member Retired Member

NAME _____ FIRM _____

ADDRESS _____

PHONE _____ FAX _____ **E-MAIL _____

P.E. YES NO WHICH STATE(S) _____

Do you hold any additional certifications such as SECB LEED Other _____

Does the information provided represent a change in registration data from the previous year? YES NO

Do you wish for SENH to share your e-mail address with NCSEA to receive their announcements? YES NO

Do you wish to have your member information (except e-mail) included on the SENH Website? YES NO

Do you wish to have your name in a searchable database on the SENH Website? YES NO

Voluntary SENH scholarship contribution: \$10 _____ \$20 _____ \$50 _____ OTHER \$ _____

Check # _____ Check Amount \$ _____

If you wish to have your "Linked In" profile shown on the SENH Website with your member directory listing, please provide the link here:

****Our newsletters are delivered via e-mail. In order to receive your newsletter via US Postal Service you must check the box below.**



Please send my newsletter via regular mail.



Structural Engineers of New Hampshire

P.O. Box 226
Manchester, NH 03105-0225

www.senh.org



Corporate Advertising

Introduction:

SENH accepts corporate advertisement for posting on its website and for inclusion in five (5) newsletters delivered electronically to its members. The postings will include a hyperlink to the firms website if desired.

Advertisement Format:

All advertisements shall be in the form a 1.3" x 2.3" business card and shall be submitted electronically in a .jpg or .pdf format.

Advertisement Fee:

An annual fee of \$100 is required for structural engineering related firms who employ at least one (1) Member or Associate Member of SENH. An annual fee of \$150 is required for structural engineering related firms who do not employ a Member or Associate Member of SENH. An annual fee of \$300 is required for non-structural engineering related advertisements. Advertisement Fees are for the Period of January 1st to December 31st. Advertisements received outside of the annual renewal cycle will be assessed a fee of \$10/month.

For purposes of SENH advertisements structural engineering related firms shall include the following:

- Structural Engineering Design Companies
- Architectural / HVAC Design Companies
- Survey Companies
- Geotechnical Engineering Companies
- Manufacturers whose products are utilized in building or bridge construction
- Architectural Historians / Archaeologists
- Companies providing professional services to structural engineering companies (Accountants, Lawyers, etc.)
- Software companies providing structural analysis, CADD, estimating or scheduling software
- Other companies approved at the discretion of the SENH Board of Directors

The SENH Board of Directors reserves the right to limit the type of advertising accepted for use.



Structural Engineers of New Hampshire

P.O. Box 226
Manchester, NH 03105-0225

www.senh.org



Member of

Corporate Advertising Form

CONTACT INFORMATION:

Company Name: _____

Company Address: _____

Phone & Fax Numbers: _____

Website Address: _____

Contact Name: _____

Contact Phone Number: _____

Contact E-mail Address: _____

BUSINESS DESCRIPTION:

- Company employs at least one (1) SENH Member or Associate Member.
- Company does not employ at least one (1) SENH Member or Associate Member.

If second box is checked, please provide a brief description of business and how it relates to structural engineering:

ADVERTISING FEE:

- \$100 – Structural Engineering Related Company employing at least one (1) SENH Member or Associate Member.
- \$150 – Structural Engineering Related Company that does not employ at least one (1) SENH Member or Associate Member.
- \$300 – All other companies.

SUBMIT COMPLETED APPLICATION WITH FEE TO:

Structural Engineers of New Hampshire
P.O. Box 226
Manchester, NH 03105-0225

SUBMIT ELECTRONIC ADVERTISEMENT

TO: admin@senh.org

Please Note: Electronic files may be submitted prior to applications and fees however the advertisement will not be posted until SENH has received the application and application fee.

April 30, 2012



2012 UNH Civil Engineering Alumni Conference

*Bridging Education
and Experience.*

Date:
April 30, 2012

Location:
University of New Hampshire,
Durham Campus

Additional Info:
www.unh.edu/ciealumconference

Join Us! We invite you to join us on April 30th for the second UNH Civil Engineering Alumni Conference to be held at the University of New Hampshire, Durham campus.

Register online today! The conference will be a forum for alumni of the Civil Engineering Department to return to UNH and share with students and faculty their experience, including professional project work, research, and other achievements since leaving UNH.

Visit the website for more information! The conference will include formal panel discussions, with topics across the breadth of civil engineering. Social activities and a celebratory banquet are also planned.

Presenters and panelists wanted! Visit the website to find out how to participate!



**P.O. BOX 226
MANCHESTER, NH 03105-0226**

WWW.SENH.ORG



Member of

**Mark Your Calendars for the
Upcoming Dates of Future
SENH Meetings:**

Thursday, January 12, 2012
Tuesday, March 06, 2012
Tuesday, May 08, 2012

Board of Directors

President	Sean James, P.E.
Vice President	Josh Lund, P.E., SECB
Secretary	Normand Cote, P.E., SECB
Treasurer	Kyle Roy, P.E.
Director at Large	Tony Coviello, P.E.