

NH FORUM

For those who shape the built environment

AIANH Annual Home Tour June 23

Join us to tour five Seacoast Homes...



The Annual AIANH Home Tour will take place June 23, 3:30-9 pm. We'll be seeing five residences and then proceed to the new Residence Inn by Marriott at Portwalk for dinner and a presentation by the architects. During the reception we will also honor the winners of the AIANH High School Design Competition. The students projects will be on display and are quite impressive!

The homes on the tour are designed by **McHenry Architecture** and **Plan Ahead, Inc.** both out of Portsmouth, and **Correll Associates, Architects** in Hampton. The event is sponsored by **Pella Windows and Doors**.

The Plan Ahead residence is a on older two-family Beach house at Seabrook Beach updated to allow each family to occupy one level and at the same time have the ability to share a common roof deck. McHenry Architecture has three homes in downtown Portsmouth. The first is a dramatic living space renovated from a portion of a large industrial brick building that overlooks the Piscataqua River. The second is a loft in another extensive renovation to a historic structure that required an intensive collaborative effort with the owner, architect, and builder. Their third residence is one of eighteen condominium units in the top three floors of the 18 Congress building. The home designed by Correll Associates is in New Castle, a renovation resulting in an expansive facade with a panoramic view of the water that also mirrors many of the river's elements.

Please see the AIANH website for more information and registration details, www.aianh.org/aia_events.asp . ■



Condo at 18 Congress St., Portsmouth, by McHenry Architecture, one of five residences on the AIANH Home Tour. Photo by John W. Hession

Published by

AIA New Hampshire

with contributions

from the Granite State

Landscape Architects

and PlanNH

Inside View

Perspective	2
Young Architects Forum	3
Vietnam by Bicycle <i>by Kate Hartnett Hon. AIANH</i>	4
GSLA Pages	6
PlanNH	7
Tax Incentives through the Energy Policy Act	11
China and Vietnam: Similarities and Contrasts	13
AIA Guide for Sustainable Projects	14
Construction Summary	15
Photo of the Month	16
Calendar	16



AIA New Hampshire

AIANH Board of Directors

President: **James Loft AIA**
 President-Elect: **Dale Doller AIA**
 Vice President: **Karolina Burtt AIA**
 Secretary: **Shannon Alther AIA**
 Treasurer: **Jay Lawrence Purcell AIA**
 Immediate Past President:
Michael Morin AIA
 Directors: **Caleb Sloan AIA**
Katie Cassidy Sutherland AIA
Scott Vlasak AIA
 Associate Representative:
Nathan Stolarz AIA
 Affiliate Representative:
Heather Rowan
 Executive Director: **Carolyn Isaak**

NH Forum is published monthly by AIA New Hampshire, the New Hampshire Chapter of The American Institute of Architects, with the Granite State Landscape Architects.

AIANH, PO Box 398, Keene, NH 03431.
 Tel: 603-357-2863; Fax: 603-357-0835; E-mail: office@aianh.org.

For advertising rates and sizes, contact the AIANH office.

For membership information, contact the AIANH office.

Articles and graphic submissions should be sent to the AIANH office by the first of the month prior to publication.

NH Forum Editorial Board:
Bruce Hamilton AIA, Heather Rowan, Carolyn Isaak, Executive Director;
Proofreader: John Urdi AIA;
GSLA Liaison: Beth Dermody
PlanNH Liaison: Robin LeBlanc

The AIANH Editorial Board reserves the right to edit articles for available space and to review all material for appropriateness prior to inclusion.

The editors of the *NH Forum* seek to encourage a lively discussion of design and other topics of concern to designers. Opinions and proposals presented in the newsletter are those of the writers to whom they are attributed and are not a statement of official policy by AIANH, unless so stated.

Visit our Website at www.aianh.org

Perspective

Point of view from the president of AIANH



James Loft AIA
 President 2011

So, I made it back (just barely) from the AIA National Convention in New Orleans.

It was hard for me to justify leaving the office to attend a professional event: lately it seems like every day is critical as we play catch up with a small staff. I couldn't believe I was going to flitter off to the Big Easy to represent our Chapter's best interests.

Part of the problem was my attitude about New Orleans. I had briefly been there once before and I was not impressed with what I saw. In retrospect, I realize I wasn't there long enough to develop a feel for the place and the culture. This time I stayed in the French Quarter and was within walking distance from the convention center. Each day I chose to take different back streets to and from classes and caucuses, which gave me a better perspective of the area.

The architecture is amazingly romantic: shallow balconies with ornamental metal railings and brackets with plants growing casually and profusely; windows reaching from

floor to ceiling with shutters which people actually close up at night. Generally, the paint on the shutters and the buildings was mostly peeling because it was just too hard to keep up with heat and humidity. Most of the buildings are constructed of old porous brick with a tone that probably originated from the clay of the Midwest brought down by the Mississippi. Also, many buildings had interior courtyards that were almost so perfect they seemed like a stage set. It made me realize that many years ago when New Orleans was young and new, it must have been amazing to step off a Mississippi paddle boat onto the streets of Royal, Chartres, Orleans and been engulfed by the architectural result of the culture.

This brings me to the next wonderful thing about New Orleans: the people. They smile down there – a lot! They say nice things to you. You can hear music on almost every street and people don't complain about it, they love it and support it. There's a sense that life is first and foremost meant to be enjoyed. I'm convinced the unique New Orleans architecture is clearly a by-product of this mindset. So, if you can, put it on your bucket list of places to mosey around.

Continued on p. 10



Young Architects Forum

by Nathan Stolarz AIA, AIANH Associate Director



On April 29 at NHTI in Concord, NH, five participants of the 2011 Young Architects Design Competition presented to the School's 2011 AET Advisory Board proposing bold designs that would add a new Architectural/Engineering building to the school's campus. Participants were: Brittany Grannan Assoc. AIA and Patrick Grannan AIA, Andrew M. Queen, Chih-ming Lee, and Jennifer Hegarty Assoc. AIA.

The program called for a 26,000 sq ft building that consisted of three design studios, crit space, faculty offices, an auditorium, labs and a media/production lab. The competition also called for a second phase that looked at accommodating future expansion of the building occupying another 20,000 sq ft.

Each of the presentations consisted of five minutes discussing design concepts and ideas followed by five minutes of questions from the Advisory Board. In summation the board was delighted by the wide range of work and effort put forth by each participant and is eager to see this project come to life in the near future.

The presentation boards are now on display at NHTI as they hope to use the boards as a marketing tool to spark further interest and raise funding for this future project. The young architects who participated are proud and excited they had a chance to help NHTI out with their future endeavors and will continue to stay involved with the school. If you are interested in entering into 2012 competition be on the lookout as it should be coming out by midsummer.

I am also now introducing the AIANH YAF

Draughting Club which will hold its first gathering in Manchester on June 23. What is the Draughting Club? Quite simply this: *It's to provide young architects and emerging professionals in New Hampshire with a venue and channel of communication surrounded in friendly relaxing atmosphere where discussions relevant to young architects commence around a few pints of beer.*

So if you are looking for a place to network, learn more about IDP, have questions on the ARE's, want to complain about the recession, interested in portfolio advice, mentorship or whatever else is on your mind please join us. You can also help AIANH by giving your insight on what you would like the Mentorship program we are beginning to develop become. The Mentorship program will be designed to foster the development of emerging architects by providing them with access to experienced and inspiring architects in an informal group setting. The Draughting club will start by meeting once a month and if it picks up steam we might look at expanding. Watch for the email blasts or stay in touch with the AIANH YAF facebook page for further detail information on location and times.

I look forward to seeing everyone.

If you or anyone you know would like to be added to the email list please send a quick email to nathanstolarz@hotmail.com and you will be added to our list of announcements. ■



Call for Entries AIANH Design Awards

The AIANH 2012 Design Awards CFE is will soon be available on the AIANH website. Watch for an announcement by mail and email coming soon!



It's not funny when it happens to you...

Protect your project with AIA Contract Documents! No one likes to be left pointing the finger. Having the right contracts in place can reduce risks, prevent conflicts and with our new Integrated Project Delivery (IPD) Multi-Party Agreement, create more successful collaborations. Easy to use, widely accepted, and balanced fairly for all parties involved – AIA Documents will gill get you off of a smart start.

To learn more call
800-242-3837 or visit
www.aia.org/contractdocs

Get the NEW VERSION
at aia.org/contractdocs

AIA Contract Documents
THE INDUSTRY STANDARD



76 Old Turnpike Road, Concord, NH



North Branch Construction, Inc.

(603) 224-3233 • www.northbranch.net



**We don't just build
green, sustainable, and
LEED Certified
Buildings for our
clients - we built one
for ourselves.**

Job Opportunities Positions Wanted

Job listings and positions sought listings are on the AIANH website: www.aianh.org/jobs.asp. To submit an ad, please email ad text to office@aianh.org. Ads are free for AIANH members and \$80 for four months for non-members. Please include your contact information with your ad listing.

Breathe Easier...

Employee productivity depends on good air quality and a healthy work environment

RPF Associates has the expertise and experience you can rely on when confronting environmental health and safety issues.

- Air Quality Testing and Laboratory Analysis
- Worker Health and Safety Training
- Asbestos and Mold Inspections
- Infrared Thermal Imaging Surveys
- Environmental Site Assessments
- Industrial Hygiene and OSHA Compliance

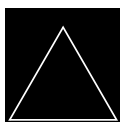


RPF Associates, Inc.
ENVIRONMENTAL TESTING & CONSULTING

Offices in Northwood, NH and Amesbury, MA
Call 1-888-SAFE-AIR or visit www.airpf.com

Vietnam by Bicycle

Text and photos by Kate Hartnett, Hon. AIANH



For three intense weeks, I got an introduction to Vietnam, a country 2009 *Lonely Planet* guide describes as: "... in top gear. Try and catch it before it reinvents itself as another Malaysia or Thailand. For now, it remains one of the most enriching, enlivening, and enticing countries in the world." Never having been in Asia before, I found that to be true in every way.

In April 2011, we bicycled in the Mekong Delta, and then with a small group of 14 and two Vietnamese guides, from Saigon (Ho Chi Minh City) to Hanoi. Along the way, we came off back roads to stay in wonderful hotels in smaller cities like the Central Highlands strawberry and flower city of Dalat, the coastal beach towns of Nha Trang, Tuy Hoa, and Quang Nai, and the UNESCO World Heritage Sites of charming Hoi An, and the Nguyen imperial city of Hue, home of the 19th century Citadel/Forbidden Purple City on the Perfume River. And then from 1,000 year old Hanoi, we went four hours east to Halong Bay, to kayak among the karsts of yet another World Heritage Site.

Vietnam—the Geography

Vietnam is a loooooooooooooooooong country, almost 2,000 miles, or the length of the Maine to Georgia Appalachian Trail. Within its 63 provinces are the 54 ethnic minorities sharing the landscape with the Vietnamese (Kinh). It is densely populated, agricultural, family-based, and moving fast into the 21st century.

Here are some impressions, along with information and images of some of what I learned and saw:

Real Food Security—Amazingly productive lands and waters

- Q: Where is the most plant diversity in the world? A: SE Asia
- Q: Since 1990, where have more new unclassified mammals and birds been found than anywhere else in the world? A: Vietnam
- Q: Where is one of five top biodiversity hot spots on planet¹, and the world's most productive inland fishery² ? A: Mekong River



Photo 1: Sugar cane machine (hand labor)

Local design, materials, and labor

I was fascinated by the indigenous architecture, use of local materials, and hand labor for almost all tasks, from making sugar cane juice to mixing, lifting, and pouring concrete. (Photos 1 and 2)

Even with all that indigenous influence, the Crazy House in Dalat stands out as an idiosyncratic creation with a straight line as hard to find as in Bilbao. At the other end of the scale, Ho Chi Minh's stilt house next to a coy pond in a flower and tree filled park in Hanoi challenges anyone not to think of Frank Lloyd Wright. (Photos 3 and 4)

Temples, Pagodas, Parks, and War Memorials

They are everywhere! Lots of public spaces, and every inch seems to be planted with food or flowers. (Photo 5)

Transportation

Vietnam redefines SUV's. Motorbikes are replacing bicycles, but many people still use carts and wagons. Loads are unbelievable. And "hybrid" has another meaning, since re-purposing is common. (Photos 6, 7, 8)

Privacy Gradient/Constant Commerce

Whether urban or rural, I noticed a consistent and distinct "privacy gradient." Truck, auto, motor bike, bicycle, and pedestrian street traffic continuously ebbed and flowed into public activities along the sides. "Sidewalks" are misnamed, because it usually was impossible to walk through the parked bicycles and motorbikes, food markets, and people of all ages on plastic stools and at plastic tables, eating meals, drinking coffee, talking, and doing business. Prices for most things were negotiable. The

Continued on page 9



Photo 3: Crazy House in Dalat

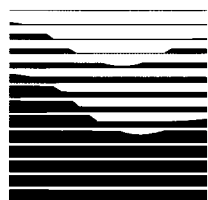


Photo 2: Concrete pull (hand labor)



Photo 4: Ho Chi Minh stilt house

GRANITE STATE LANDSCAPE ARCHITECTS



GSLA

New Hampshire Section,
Boston Society of
Landscape Architects,
A Chapter of the
American Society
of Landscape Architects

Board of Directors

Chair

Robert P. Clarke, ASLA
Allen & Major Associates
rclarke@allenmajor.com

Treasurer

Eric Buck, ASLA
Pollock Land Planning
eric@pollocklandplanning.com

Secretary

Mike Krzeminski
TFMoran
Mkrzeminski@tfmoran.com

Governmental Affairs

R. Gordon Leedy, ASLA
Vanasse Hangen Brustlin, Inc.
gleedy@vvhb.com

Newsletter Editor

Beth Dermody, RLA
Bethany Dermody, Lands. Arch.
bethdermody@yahoo.com

GSLA

Granite State Landscape Architects
New Hampshire Section
Boston Chapter, ASLA
PO Box 1106
Concord, NH 03302-1106
www.gsla-online.com

Measuring the Success of a Landscape

by asladirt (<http://dirt.asla.org>)

At the national Brownfields conference, James Royce, ASLA, a landscape architect with Stephen Stimson Associates, explained how the Sustainable Sites Initiative (SITES), a new rating system now in the pilot testing phase, can be used to answer the question: How can we measure the success of a landscape? He added SITES may also help answer the question clients are now most concerned with: What do I get out of it?

The economy has changed, which means that the climate for sustainable solutions has also changed, argued Royce. Many commercial and residential clients still need to be sold on sustainability. However, he believes institutional clients mostly get it and now demand the most sustainable options they can afford.

SITES is a useful tool for understanding and quantifying the range of ecosystem services landscape provide. However, Royce added, areas like human health and wellbeing are still very difficult to quantify at the landscape scale.

Working with the International Fund for Animal Welfare (IFAW) to create a "durable, low-maintenance ecological landscape," Royce was thrilled to discover the innate sense of responsibility in his client. Instead of doing extensive work on a new greenfield site they purchased in Yarmouth Port, Massachusetts, they decided to build their new headquarters on a nearby five-acre brownfield, leaving the natural landscape alone. While this project isn't part of the SITES pilot testing phase, Royce added that SITES would give him credit for this approach in an effort to incentivize the redevelopment of brownfields or greyfields over greenfields.

In addition, SITES encourages the use of smart site planning to contribute to building performance. In this case, Royce convinced IFAW and its architects to position the buildings appropriately for passive solar heating and cooling, saving on energy usage. Royce added meadows, not lawns, wherever possible on the remediated brownfield, which would earn SITES credits for using native plants. Green infrastructure techniques were incorporated to

manage stormwater on site. Furthermore, some 6,000 cubic yards of contaminated soils were excavated and reused to create slopes within new landscape. Both of these sustainable practices would earn additional SITES credits.

Royce was able to quantify a range of benefits and provided some impressive data. One big number that leapt out concerned onsite stormwater management. Using sustainable green infrastructure design techniques he was able to save his client \$50,000. Royce added, "being exempted from the local water permitting process alone was priceless." In addition, Royce also cited a large number in terms of the savings from reusing soils onsite: \$250,000, which would have been the cost of trucking new soils in and old ones out. There also would have been additional costs in terms of carbon dioxide emissions added to the atmosphere.

Beyond water and soils, however, actually quantifying worker health benefits gets tricky. Royce believes the new landscape creates microclimates that enable employees to be outdoors comfortably longer, increases worker productivity, and improves employee retention but he couldn't point to hard data on these. He called for the use of pre and post-occupancy user surveys to find out this information. ■

MILlican

Specimen Trees & Shrubs

603-435-6660
www.MNIPLANTS.com



PLAN NH
Visioning for Sustainable Communities

Notes from Plan NH

Plan New Hampshire, The Foundation for Shaping the Built Environment (Plan NH), is a 501(c) 3 non-profit organization formed in 1989.

Our purpose is to contribute to the quality of life in New Hampshire communities by promoting excellence in sustainable planning, design and development of the built environment. We are also strong champions of Smart Growth.

Our New Hampshire-focused membership is comprised of architects, landscape architects, engineers, planners, contractors and others with an interest in promoting and implementing environmentally, economically and socially sustainable communities. This diversity of membership brings a unique variety of views and perspectives to our approach to shaping New Hampshire's built environment.

President
North Sturtevant, JSA Architects

Vice President
Bill Jean, Fulcrum Associates

Secretary
Ryan Bianchetto,
Allen & Major Associates

Treasurer
Galen V. Nichols, Edward Jones

Executive Director
Robin H. LeBlanc

Plan NH
PO Box 1105
Portsmouth, NH 03802
603-452-PLAN (452-7526)
www.plannh.org

As this is being written, Plan NH is interviewing several towns who have applied for a design charrette. They are, literally, all over the (NH) map. And each has a unique reason for wanting us, their own design/planning challenge that they would like us to address.

At the heart of each, however, we are discovering a common thread: that there is a shift going on, just as in towns throughout the rest of the country, from cars and trucks as a first-priority to be dealt with to the needs of people for pleasant, safe and walkable environments, within and between destinations. And a recognition that road design that allows for safe bicycle paths is a good thing. The idea that cars and trucks come second to these notions is gaining momentum. Slowly, but it exists.

And indeed, here in New Hampshire this spring there have been several workshops that address this very topic. Dan Burden, for example, Executive Director of the Walkable and Livable Communities Institute, gave an outstanding presentation earlier this month that this writer attended. Through the use of real examples from real places across the country, he showed how streets can be adapted to accommodate bicyclists and pedestrians alike. Visually appealing neighborhoods, retail blocks, and ways to get to and throughout these places safely are more conducive to walking and biking – and to slowing cars and trucks or for some, eliminating the need for a car altogether. In many places, of course, public transportation is interwoven.

We still have a long way to go here in the Granite State, but we are starting to head in the right direction. Bringing awareness of possibilities to the professions within the built environment, and to the citizens we serve is fundamental to transforming our towns. It really is a chicken-and-egg thing: towns may not see a need to address this issue because they don't see people walking and biking. However, people would walk and bike if there were safe ways to do so.

It cannot happen overnight, and takes careful planning and management that includes

all aspects of a municipality working together.

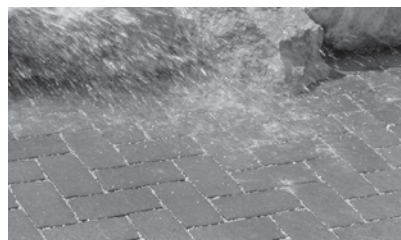
The Plan NH Annual Meeting will be held on Wednesday, June 29, at the Kimball Jenkins Estate in Concord. The program will include awarding Fellowships and a Scholarship to outstanding students in fields related to our mission.

In addition, Matt Frost, an emerging film maker from NH, currently studying in New York, will present his documentary about decent, affordable places to live. He tells the stories of real NH people and what a difference a safe, reasonably-priced home made to each. Mr. Frost will talk about the making of the film and its impact on his outlook of affordable housing as well as how the project helped him grow professionally.

Go to the Plan NH website (plannh.org) for further information about this special evening. ■

Aqua-Bric®

A pedestrian-friendly permeable pavement that meets ADA criteria.



To schedule a Permeable Pavement
CEU Lunch & Learn
call 781-894-3200 today!

ib **ideal** Pavers by
IDEAL CONCRETE BLOCK COMPANY, INC.
Westford and Waltham MA

www.IdealConcreteBlock.com



For over 30 years, our **engineers, planners and scientists** have partnered with our architect peers throughout the east coast. Through a collaborative approach to design, we have provided integrated **transportation, infrastructure and environmental** services to a wide range of clients.

Collaborating with the USGBC on
Roadmap to a Green Campus.
 Coming soon to www.usgbc.org.



6 Bedford Farms Drive, Suite 607
 Bedford, New Hampshire 03110
www.vhb.com



Photo 5: War Memorial



Photo 6: Ox Cart



Photo 7: Hybrid motorcycle/truck



Photo 8: Big Box load

Vietnam Quick History

2,000 BC	Dong Son Bronze Age culture around Hanoi
250 BC-938 AD	Chinese occupation
1010	pre-Hanoi city founded as the new capital of Vietnam
1802	united and independent
1862-1954	French rule Vietnam as part of Cochinchina (Indochina)
1920	French Communist Party established (Ho Chi Minh co-founder)
1940	Japanese occupation during WWII per pro-Vichy French government
1955	Geneva Accord splits Vietnam into communist North and free South
1959-1973	Communist guerrilla war to liberate the south (American War)
1975	South Vietnam taken by Communists
1976	Socialist republic formed
1986	Economic reforms begun by Socialist government ("doi moi")
1994	US trade embargo lifted
2000	Bill Clinton first US president to visit North Vietnam
2006	George W. Bush visits
2007	Vietnam joins the World Trade Organization
2009	85 million people in Vietnam; with 2 million members of the Communist party
2010	Hanoi celebrates 1,000 birthday; seeks UNESCO World Heritage Status*

* = other six United Nations Educational, Scientific, and Cultural Organization (UNESCO) World Heritage Sites are: Halong Bay; Phong Nha Ke National Park; My Son Champa Kingdom ruins; Hoi An Old Town; Hue monuments; and Citadel Core Hanoi.

VIETNAM, Cont'd from page 5

rule I quickly learned was: “Bargain hard; stay friendly.” Deeper into the buildings, things became darker, cooler, quieter, more private family space. Any floor I saw, no matter how basic the structure and dusty/muddy the entrance, was tile, and immaculate. (Photo 9)

Government, Education, Community

Socialist billboards featuring Ho Chi Minh (“Uncle Ho”) are common (Photo 10). It was a treat to see education supported and

See page 13 for a comparison of China and Vietnam (based on this trip and the one reported in the May *NH Forum* by Patricia Sherman FAIA)

celebrated—children go to school six days a week. Everywhere we went, people were working together, communities appeared cohesive, and kids ran out to greet us, shouting their one English word—“hello!” and then jumping up in delight when that got a reply (Photo 11). Everything seemed to have half-lives—plastic bottles were reused to bail leaking sampans, wood on docks sometimes seemed to have more nail holes than grain.

The Arts

We visited several places highlighting hand crafts of embroidery (Photo 12), weaving, tailoring. Such crafts clearly arise out of the pervasive hands-on economy that transforms local fabrics and materials into beautiful celebrations of human creativity.

Continued on page 12



Photo 9:
Sidewalk
congestion



Photo 10: Socialist billboard



Photo 11: Kids trailing bikes



Photo 12: Embroidery

Vermont & the 2030 Net Zero Energy Standard

Join the discussion: Vermont & the 2030 Net Zero Energy Standard: An Evening Forum to Build Understanding and Support, June 16 at 7:00 pm, Richmond Free Library, Richmond, VT.

Vermont Building for Social Responsibility (VBSR) is holding this session about the inclusion of a Net Zero Energy Standard in Vermont's Comprehensive Energy Plan set to roll-out in October 2011. We are proposing a building standard requiring buildings to be built for Net Zero Energy by 2020 or 2030, as a number of other states have already done.

Approval of such a measure would demonstrate Vermont's commitment to a sustainable energy future and help to greatly reduce Climate Changing emissions.

Having the Net Zero requirement in the plan will:

- Provide incentive for the marketplace to take action against climate change in an industry noted as the largest contributor of greenhouse gasses.
- Leaders and appraisers will prepare for financing and appraising these buildings that may cost more up front, but then cost nothing to operate.
- Homeowners will become familiar with the term and cost savings associated with such a home; demand will rise.

For more information, see the article and flyer on the homepage at www.vgbn.org, or visit: www.bsr-vt.org, Building for Social Responsibility 802.825.5957.

LOFT, Cont'd from p. 2

Back to the convention: the theme was "Regional Design Revolution Ecology Matters." I was down playing the theme wishing there was something more to offer than another green based format until I heard the keynote presentation by Thomas Friedman. It was inspirational. He had a way of viewing our current complex global situation and connecting the dots somehow making sense of it all. Here's a fun fact that hit me between the eyes: In 1830 there were 1 billion people on the planet. In 2030 it is estimated there will be 9.5 to 10 billion people (1 billion of those being teenagers...) Kind of amazing (and frightening) that our population has grown nearly ten-fold in 200 years. If you haven't already read his latest book, *Hot, Flat and Crowded: Why we need a green revolution and how it can renew America*, I highly recommend it.

After listening to the national candidate speeches and the status reports from the current President and CEO, I was also convinced that the "Revolution" also applied to the current thinking of the AIA. I think the challenging economy and membership concerns have caused a rebuilding and rethinking of the issues that face the AIA. I was happy to hear that many are actively being addressed



like outreach to the younger professionals, attracting and keeping emerging professionals, leadership in global sustainability, outreach to international architectural organizations, and continued outreach to the public describing what an architect is and does. Also, it was encouraging to see that the AIA tightened its belt during these last few economically challenging years, maintained its membership, and stayed above the line financially.

So, I'm a believer. The AIA is actually a very well run organization that is doing its best to help its professional membership and through its membership provide direction on the larger environmental and development issues facing the world today and in the future. ■

Design Flexibility. Performance. Aesthetics.



Built to perform.

Clean sight lines, large daylight openings, and interior and exterior handles with matching aesthetics make Integrity's doors stunning.

Choose from the low maintenance performance of an All Ultrex Sliding Patio Door to the elegant welcome of a Wood-Ultrex French Door – all offer effortless operation, dependability and style.

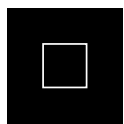
Selectwood
Marvin Windows and Doors Showcase
Portsmouth, NH • 800.922.5655
www.selectwood.com

Marvin Design Gallery by
Windows & Doors By Brownell
West Lebanon, NH • 866.928.5558
www.wdbrownell.com

R.P. Johnson & Son Marvin Showcase
Andover, NH • 800.526.0110
www.rpjohnsons.com

It's Payback Time: Are you leaving energy-efficiency reward money on the table?

By Brian Gilboy of Engineered Tax Services



Leaders discuss budgets, forecasts and goals, but many do not consider including tax strategies into their plan.

However, tax incentives available through the Energy Policy Act of 2005 have motivated architects, designers, engineers and owners to embrace tax benefits and incorporate them into the firms' financial and business development strategies. In today's environment, it is not enough for firms to just "do good work." Increased competitions, reduction in projects and aggressive pricing strategies have caused leaders to take a more holistic look at how they approach business. Marketing, new business development and offering creative financial solutions have become as important as meeting budgets, deadlines and design specifications. Therefore, it is important to expand one's knowledge of opportunities outside the traditional scope of business to be viewed as an industry expert and trusted advisor.

Progressive firms are using EAct 2005 incentives to increase cash flow and earn new business by creating a competitive advantage. For example, funding construction remains the industry's most significant challenge, as thousands of projects are stalled, leaving architects with little options. By introducing these incentives to owners and lenders, architects can now be proactive and have a direct impact in green-lighting new projects.

Furthermore, designers or contractors competing for energy-efficient projects now include these incentives in the initial bid. The additional line item identifies accelerated ROI, assists in funding activities, and generates attention to the proposal. As benefits from EAct 2005 become more conventional, professionals will expect these results to be included in standard RFPs. Understanding how incentives are generated and captured is crucial to remaining competitive by introducing fresh ideas to drive new business.

The Energy Policy Act of 2005 provides

the opportunity to capture tax deductions up to \$1.80 a square foot for designing or owning buildings with energy-efficient systems. Lighting, HVAC and building envelope may each generate deductions of \$.60/sf for buildings or renovations placed into service after December 31, 2005. Owners of private, commercial properties with qualifying systems may take advantage of this opportunity to reduce tax liabilities, increasing cash flow for their business entity. On publicly funded projects, architects, designers, engineers or consultants on the projects qualify to receive the deductions. Because they are not taxable entities, schools, libraries, museums and police stations, for example, cannot take advantage of these incentives. Instead, the IRS allows deductions to flow to those firms influential to the design of the aforementioned systems.

Owners or architects must capture incen-

tives using a third-party certification from a qualified engineering firm. The IRS does not allow self-certification due to a possible conflict of interest from the designer, owner or architect.

Qualified firms collect relevant design work and conduct energy modeling reviews of the whole building or potential qualifying systems. Results are then compared to a similar reference building designed to ASHRAE 90.1-2001 standards to determine if systems meet required thresholds. Individual systems must exceed 16.66 percent energy reduction or, in the case of a whole building review, 50 percent energy reduction compared to ASHRAE 2001 standards. A site review by a licensed professional engineer confirms asset installation. This information is added to the final report and is accompanied by appropriate tax deductions.

All commercial buildings/renovations and apartment buildings of four or more floors can qualify for incentives, but an initial review of the ROI is recommended and usually provided by most firms in this industry.

Mark T. Skinner West Elementary School is a project whose architects benefited from the EAct 2005 tax incentives. Designed by SMNG-A Architects, Skinner is a 30-classroom replacement school in Chicago's West Loop neighborhood. The original Chicago Public Schools prototype was re-designed following the principles of LEED Silver rating and opened in 2009. The project design earned SMNG-A Architects over \$171,000 in deductions as well as the Association of Licensed Architects Gold Design Award. SMNG-A has taken advantage of the tax incentives program for several school projects in Chicago.

In many cases, these incentives have been largely unrealized since the legislation was first introduced. The AIA estimates that just 3 percent of qualifying parties of properties and renovations have taken advantage of the incentives, leaving billions of dollars on the

Continued on page 12

Energy efficiency starts with you,



but it is much more
than changing a lightbulb.

The premier source for:

-  Deep Energy Retrofits
-  Building Optimization
-  Investment Grade Energy Analysis.



INTEGRATED BUILDING ENERGY ASSOCIATES LLC
LEED AP & BPI Certified Analysts
Post Office Box 2523, Concord, NH 03301
888-274-0565 • www.ibeanh.com

**Specifications • Codes
Technical Architect
Project Services**

To: A&E's, Developers, Owners,
Contractors, Sub's, Mfr's

Momeyer Associates
Thomas E. Momeyer, AIA, CCS
LEED Accredited Professional
Certified Construction Specifier
AEC Industry Experience 25 + yrs
603-924-9331
tom@momeyer.com
www.momeyer.com

Retail, Office & Industrial, Hotels,
Hospitals, Multi-family, Nursing,
Assisted Living and more



Member of
The American
Institute
of Architects

Member of the
International
Code Council
ICC

VIETNAM, Cont'd from page 9

Engage All Five Senses

The heat, smell (and aromas), and clatter were constant. The landscape diverse, from mysterious jungle buzz and hoots to highland waterfalls, valleys, and passes. And the food—local, blending Asian and some French, made me glad I spent so much time on a bicycle.

Vietnam Today

I noticed this globe (Photo 13) in a Hanoi Park. I think it eloquently conveys the love, care, and hope I saw around me during my visit to an amazing place. ■

Footnotes:

1 = World Wildlife Fund and Conservation International

2 = AAAS Science magazine 29 Apr 11 p 518)



Photo 13: Peace in Hanoi Park

If your design firm needs
professional liability insurance,

think . . .

Think
Think
Think
Think
Think
Think

expertise
Bixby
service
Bixby
coverage
Bixby

Bob Bixby
Bixby Insurance Agency, Inc.
651 Putnam Pike
Greenville, RI 02828
Tel (401) 949-2120
Fax (401) 949-5577

PAY BACK TIME, Cont'd from p. 11

table over the past four years.

It is not too late to take advantage of this opportunity. You can look back up to 3 years for completed projects. Legislation has been extended through 2013 and is under review for further extension and an increase in benefits. Understanding these benefits is crucial in positioning your firm as an expert in the industry. Introducing the benefits of EAct 2005 may generate new business opportunities and increase profitability by creating a strategic advantage for you and your firm. ■

Rich Maiolo is National Director of Business Development for Engineered Tax Services, a national engineering firm specializing in capturing tax incentives through EAct 2005. Rich can be contacted at 860.485.8589 or rich@engineeredtaxservices.com

China and Vietnam/Similarities and Contrasts among Asian Neighbors

by Kate Hartnett, Hon. AIANH



Convergence, circumstance, coincidence—it's rewarding to be in the right place at the right time. That's how I felt reading Patricia Sherman's "China Experience" in *NH Forum*, May 2011. That's because it was so familiar, and yet so different than my recent April 2011 travel to Vietnam. So here's a quick run down of my VERY unauthoritative perceptions of the similarities and the contrasts between the Asian neighbors China and Vietnam:

China and Vietnam—Similarities

History—Vietnam has been settled for 5,000 years; the religious ruins at My Son were center of the Champa Kingdom for 1,000 years, and are the longest occupied monument in SE Asia, and are a UNESCO World Heritage site (*see Quick History for more information*)

Pride—the country is on the move, and people know it

Government planning—lots of reinvestment in the rural communities

Energy, vitality, work ethic—you see people working together in teams everywhere

Population density—even rural areas are crowded by New England standards

Traffic—animals, people, bicycles, carts, motorbikes, autos, trucks in a constant flow of informal order, with almost NO traffic signals

Plumbing and water quality—from primitive to luxurious, but rarely drinkable, with squat toilets in all but the fanciest places

Land of contrasts—Yin and yang permeate everything

Contrasts in our Trips

Rural tour vs. Urban—we spent most of our time in villages, smaller towns and cities.

Small Group vs. Big—our group numbered 14, with two Vietnamese guides.

Bicycle vs. Vehicle—except for transfers, we mostly got around by bicycle, an instant draw for meeting local people.

Roads vs. Highways—some of our travels were on lanes with more potholes than surface.

Indigenous architecture of local materials vs. Professional/International—since we were in smaller locales, most of the architecture was locally crafted with local materials.

Transition vs. Legacy—In three weeks of mostly rural and smaller city travel, we got to 11 of the 16 Vietnam Highlights listed in the *Lonely Planet* guide; most of those except My Son Cham ceremonial center and Hoi An trading town were relatively new, or were natural sites like Halong Bay and Mekong Delta. The one BIG exception is the Temple of Literature in Hanoi, founded in 1076.

Occupied vs. Conqueror—The Chinese occupied Vietnam for 1,000 years (*see Quick History for more information, p. 1*).

Private sector vs. government trip—*Bicycle Vietnam* has a small but growing niche highlighting the rural landscapes, local economy, and local peoples and cultures of Vietnam, seemingly at the opposite end of the spectrum from government focus. ■



Photo by Great Island Photography, LLC

2011 AIANH Excellence in Design Merit Award winner:
Lakefront Cottage Renovation Landscaping by db Landscaping

When we work from the start with the architect and engineer, the client saves time and money in design, installation, and permitting costs...and the results speak for themselves.



db Landscaping
3 Alpine Ct. Suite 1
P.O. Box 356
Sunapee, NH
603.763.6423
www.dblandscaping.biz

"Creating Liveable Outdoor Environments"

WHEN
WATER QUALITY
MATTERS



(800) 287-5767
www.secondwindwater.com

**Secondwind
Water Systems, Inc.**

The Water Quality Professionals



Details...

Renovations of the New London Inn in New London, NH, were recently completed by **North Branch Construction**, with architectural design provided by **Banwell Architects**. This historic building, built in 1792, has received several upgrades throughout a three-month job that include repairs to the heating control system, interior renovations, and new insulation and siding. The upgrades have improved the Inn's energy efficiency while maintaining its historic charm and iconic presence in New London. The improvements were performed while the Inn remained in full operation.

North Branch also completed the first building turnover in Phase 2 of the Kingswood Regional School Campus's multi-school additions and renovations project. The new Automotive and Agricultural Building will serve students enrolled in the Agri-Science and Automotive Service Technology programs offered by the Vocational School. This is the first of 25 areas to be finished for Phase 2 of the High School, Middle School, and Vocational School construction project by the Fall 2012 completion deadline.

Also underway is a new Administration Building addition along with a renovated kitchen for the Middle School and renovated gymnasiums for both the Middle and High Schools for the start of the school year. Upon the students' return this fall, North Branch and Town Officials, along with **CMK Architects** will continue to work together to creatively schedule building occupancy, while maintaining student safety as their first priority. Detailed coordination between the Governor Wentworth Regional School District, three school principals, and the construction manager and architect each week has been vital in relocating students and furnishings to accommodate both a busy construction schedule and occupied school campus.

AIA Releases Guide for Sustainable Projects



AIA released a new AIA Document D503TM-2011, Guide for Sustainable Projects, including Agreement Amendments and Supplementary Conditions ("Guide") at the recent National Convention. The Guide is free and was developed to assist users of AIA Contract Documents in understanding contractual considerations unique to sustainable design and construction projects. The Guide also provides model language that can be used to amend or supplement key AIA Contract Documents in the A201 Family for use in these types of projects. Developed by the AIA's Contract Documents Committee, with input from industry stakeholders, the Guide provides AIA Contract Documents users with a valuable tool for creating versions of AIA standard contract documents for sustainable projects.

"The AIA Contract Documents program continues to revise existing documents and develop new documents and guides, as necessary, to remain current with trends and changes in the industry and law," said Ken Cobleigh, Managing Director and Counsel for AIA Contract Documents content. "The development of the Guide reflects the shifting landscape in the industry and addresses key issues of interest to all parties involved in these types of projects."

The Guide addresses the current state of sustainable design and construction, discussing issues and concepts including:

- Certification systems, codes and legislation affecting sustainable design and construction projects,
- Risks and responsibilities faced by owners, contractors and architects on sustainable design and construction projects, and
- Recommendations for model language

to assist the architect in developing a scope of services and to assist all project participants in appropriately allocating risks and responsibilities.

In addition to providing model language that may be used to amend or supplement documents in the A201 Family for design-bid-build projects, the Guide discusses the applicability of key concepts to other delivery models such as design-build, construction management and integrated project delivery.

The Guide is available as a free download at www.aia.org/sustainableprojectsguide. ■

THE ARCHITECTS' CHOICE SINCE 1933

Spaulding Brick Co., Inc.



28 Daniel Plummer Road
Goffstown, NH 03045
(603) 647-8442 Fax (603) 647-8439

5 Lopez Road
Wilmington, MA 01887
(617) 666-3200 Fax (617) 625-8110

250 Station Street
Cranston, Rhode Island 02910

ABINGDON SQUARE PARK
Goffstown, NH



TFM *Design*
Landscape Architects

*Creating sensitive and thoughtful
land planning and landscape plans.*

CONTACT: Anne Cruess, ASLA
(603) 472-4488 www.tfmoran.com
48 CONSTITUTION DRIVE, BEDFORD, NH 03110

Construction Summary

Project Type: State Library Renovations
Cost: \$847,777
Location: Concord, NH
Owner: State of NH-DOT
Architect: Dignard Architectural Service
Engineers: Reno Engineering, SW&C Engineering
Gen. Cont.: Meridian Construction Corp.

Project Type: Upgrade For Energy Conservation (NH Supreme Court)
Cost: \$97,700
Location: Concord, NH
Owner: State of NH-DOT
Engineers: Lee F Carroll PE
Contractor: GA Laflamme

Project Type: Parking Garage Repairs (Legislative Office Bldg)
Cost: \$774,000
Location: Concord, NH
Owner: State of NH-DOT
Engineers: Quantum Construction Consultants LLC, Lee Carroll
CONSULTANT: RPF Associates
CONTRACTOR: Hutter Construction Corp.

Project Type: NH State Prison RTU (Phase II)
Cost: \$2,662,000
Location: Concord, NH
Owner: State of NH-DOT
Architect: Davis Goudreau Architects Inc.
Engineer: Rist Frost Shumway Engineering
Gen. Cont.: Hutter Construction Corp.

Project Type: Woodside Apartments Kitchen Upgrades Phase 2
Cost: \$921,100
Location: Durham, NH
Owner: University System of NH
Architect: Harriman Associates
Gen. Cont.: Gibraltar Construction

Project Type: Whitefield Public Library Addition
Cost: \$345,300
Location: Whitefield, NH
Owner: Town of Whitefield
Architect: Black River Design Architects-Engineers
Engineers: Horizons Engineering, William Bissell, Innovative Consulting Engineers, Tirey & Associates
Gen. Cont.: James J Welch Co.

Project Type: Handicap Ramp Installation (Carpenter Center)
Location: Manchester, NH
Owner: Diocesan Bureau of Housing
Architect: Amoskeag Architectural Group LLC
Gen. Cont.: Langley Construction

Project Type: Bakersville Elementary School Renovation
Cost: Approx. \$850,000 (reduced scope)
Location: Manchester, NH
Owner: City of Manchester
Architect: J5 Architects
Engineers: RDK Engineer, Foley Buhl Roberts & Associates
Gen. Cont.: Hutter Construction Corp.

Project Type: Scott Hall Renovations
Cost: \$794,000
Location: Durham, NH
Owner: University System of NH
Architect/Engineer: Harriman Associates
Gen. Cont.: Bauen Corp.

Project Type: Window & Door Replacement (Stillings Dining Hall)
Cost: \$587,000
Location: Durham, NH
Owner: University of NH
Architect: Warrenstreet Architects
Gen. Cont.: Martini Northern Inc.

Project Type: Monadnock Regional Middle/High School Renovations (Phase 2)
Cost: \$765,339
Location: Swanzey, NH
Owner: Monadnock Regional School District
Architect: Kaestle Boos Associate
Engineers: WV Engineers
Gen. Cont.: Baybutt Construction

Project Type: Phillips Auditorium Renovation (Spaulding Hall 120)
Cost: \$269,000
Location: Durham, NH
Owner: University System of NH
Architect: Oak Point Associates
Gen. Cont.: Horne Construction Co.

Project Type: Auto Dealership Addition & Renovations (Tulley BMW)
Location: Manchester, NH
Owner: Tulley BMW of Nashua
Architect: Bruce Hamilton Architects
Const. Mgr.: Jewett Construction

Project Type: Memorial Union Building Exterior Renovations
Cost: \$392,000
Location: Durham, NH
Owner: University of NH
Architect: Davis Goudreau Architects Inc.
Gen. Cont.: Careno Construction Co.

Project Type: Elderly Housing Buildings Renovations (McKee Inn)-(Opera House)
Location: Various Locations, NH
Owner: AHEAD Inc.
Architect: Black River Design Architects
Engineers: Engineering Ventures, Lee Carroll
Mech. Cont.: HP Cummings Construction Co.

Project Type: St Joseph Church (Addition & Renovations)
Location: Epping, NH
Owner: Saint Joseph Church
Architect: Barker Architects PLLC
Engineers: Downing Engineering, Design Day Mechanicals Inc., Steffensen Engineering
Const. Mgr.: Bonnette Page & Stone

Project Type: Automobile Dealership & Service Facility
Location: Nashua, NH
Owner: Toyota of Nashua
Architect: Landry Architects
Const. Mgr.: Maple Leaf Construction Co.

**Construction Summary is provided by
 Construction Summary of NH, Inc.
 734 Chestnut St., Manchester, NH 03104**

Calendar of Events

June 9 June Continuing Education Day, hosted by AIANH and CHMC International, Audubon Center, 8 am-4 p, 5 AIA HSW/SD learning units. More information and Registration

June 16 Vermont & the 2030 Net Zero Energy Standard: An Evening Forum to Build Understanding and Support, 7:00 pm, Richmond Free Library, Richmond, VT. Join Vermont Building for Social Responsibility to discuss the inclusion of a Net Zero Energy Standard in Vermont's Comprehensive Energy. Information: www.vgbn.org, or www.bsr-vt.org, Building for Social Responsibility, 802.825.5957.

June 23 AIANH Annual Home Tour... 4-5 residences in the Seacoast area, dinner and presentation at the Residence Inn at Marriott, Portwalk, *AIA CEUS*, See page 1 and www.aianh.org/aia_events.asp. Sponsored by Pella Windows and Doors.

July 9 Garden tour, show and sale of fine paintings, and plant sale to benefit the Acworth NH Community Charitable Trust. The tour will feature the nationally recognized gardens of Kris Fenderson and will also include a garden never before open to the public with a stunning water feature by British designer Mark Laurence. Tickets available at ACCT, P.O. Box 10, Acworth NH 03601; \$15.00 in advance, \$20.00 on the day of the event. For more information call 603-835-2925 or e-mail hyddude@myfairpoint.

July 12 Free LEED Seminar Series and DAS (In Building Wireless) hosted by Accu-Tech, Boston Marriott Burlington, One Burlington Mall Road, Burlington, MA, 8 am to 12:30 pm (LEED); 1-4 pm (DAS), more information and registration: www.accu-tech.com/leedseminar/

July 14 Great Ideas Summer Conference & Trade Show, 8:30:10 am, Mahoney's Garden Centers, East Falmouth, MA, \$45.00 Members, \$65.00 Non-Members; Sponsored by: Massachusetts Nursery & Landscape Association and the Massachusetts Flower Growers' Association Education; Coordinated by: UMass Extension, Amherst. Info and registration: www.mnla.com

August 18 AIANH Chapter Meeting, NH Furniture Masters Exhibit and Guided Tour, Canterbury Village, *AIA CEUS*, watch our website calendar page for details, www.aianh.org/aia_events.asp

Sept 15 AIANH Chapter Meeting, AIA CEUS, watch our website calendar page for details, www.aianh.org/aia_events.asp

AIA New Hampshire

AIA New Hampshire
PO Box 398
Keene, NH 03431

Address Service Requested

Presorted Standard
US Postage
PAID
Permit No. 9
Jaffrey, NH

Printed on Recycled paper

Photo of the Month



Lincoln Center, New York City
by Douglas Bencks AIA, University Architect and Director of Campus Planning, UNH

We Need More Photos!!! Do you have an interesting photo? Why not send us on to print? 300 ppi jpegs, approximately 4 x 6 inches, BW or color. Send along a title, brief caption if you like, and your name, to office@aianh.org.