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WINTER 2016

## WELCOME LETTER FROM WMAIA PREISDENT HELEN FANTINI AIA



Arriving here 8+ years ago from Chicago, I was struck by the high quality, community-oriented, incredibly sustainable work that WMAIA practitioners put forth. Our region is literally a hotbed of Living Building Challenge projects; sustainable design and building is simply how we all operate. This is incredibly impressive, and should be celebrated.

I suspect that one of the aspects that help to make our region receptive to embracing new ways of thinking and doing is our connection to the world of academia. We are fortunate to practice in a region with not one, but five colleges. Notably, the architecture and building and construction technology programs at UMass have influenced the development of significant projects on the UMass campus as well as produced a number of graduates that keep our practices strong. I hope to find ways to strengthen our ties to these institutions moving forward.

I was inspired by the takeaway of the recent Northampton resiliency-focused SDAT: strengthen and celebrate infrastructure. As I commute to Greenfield, I am a witness on a near-daily basis to the multi-year I-91 bridge replacement necessitated by Hurricane Irene flooding. The time for architects to involve ourselves in the topics of infrastructure and resiliency is becoming more urgent. I am hoping to see more activity around these issues.

I am a fan of the SDAT (Sustainable Design Assessment Team) process offered by AIA Communities by Design. Our region has won several of these grant opportunities over the last decade. I was able to participate in the process from the community side for South Hadley, and it was one the most rewarding experiences of my career; the perfect match of community service + the power of leadership brought by architects. An upcoming Belchertown DART (Design and Resiliency Team) project will again put these elements on display.

What would you like to see on the chapter's radar for the next years? Please let me know: hf@joneswhitsett.com

I am honored to be elected next president and look forward to serving WMAIA! Thanks to the work of the Executive Committee under the leadership of outgoing president, Chris Farley AIA, the chapter is a strong position to continue to offer great programs and events in the coming years. Over the last two years, Chris has worked to unite professionals, product manufacturers, and consultants to allow us all to see the strengths of our chapter by encouraging sponsorship and affiliate membership. The support of these companies and individuals helps to keep our chapter strong, and allows us to maintain and improve the services and programs that we offer ... thank you so much, Chris!

I would also like to acknowledge the long-time service of Tom Hartman AIA, and the Berkshires-perspective lent by Robert Harrison AIA, our outgoing Executive Committee members. We welcome new members, Garth Schwellenbach Associate AIA, and Kayla Farrell Associate AIA.

I plan to continue to build on the work of sponsorship and affiliate-member building. While I do not bring a specific agenda to the presidency, I do have some observations about our chapter that may point to some initiatives.

## ART BY ARCHITECTS



WMAIA's exhibition **NINETEEN: Architects Making Art** was a resounding success! The art was terrific and the gallery was packed! Special thanks to the 19 artists who participated, to curator Julia Morgan-Leamon, to the A.P.E. Gallery in Northampton for hosting us, and to our sponsors Marvin Windows & Doors and rkMiles for their generous support.

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## THE WESTERN MASSACHUSETTS CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS

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COVER PHOTO: MARY YUN, AIA & LYNN RICE

## STUDENT SCHOLARSHIPS PRESENTED AT WMAIA ANNUAL MEETING

WMAIA, with funding from AIA National, presents two student scholarships each year. Entries are accepted from students in the UMASS Department of Architecture M. Arch program. This year scholarships were presented to:

Peng Zhang (\$1,000) for his Waltham Center Design. The Board was impressed with the strong design concept and clear presentation and diagramming which included a broad mix of hand sketches, cardboard models, and computer drawings and renderings.

Lukasz Czarniecki (\$500) for his design for a Northampton NESEA Building. The Board appreciated the clear and complete diagramming of the systems in the building as well as the strong design concept. Congratulations!



Chris Farley AIA, with Lukasz Czarniecki + Peng Zhang

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# NORTHAMPTON SDAT

AIA + WMAIA SUPPORT A NORTHAMPTON COMMUNITY VISION TO ADDRESS CLIMATE CHANGE

In early fall, AIA and WMAIA helped Northampton begin a community planning process to create the city's first comprehensive Climate Adaptation Plan. The kick-off event was a three day AIA-Sustainable Design Assessment Team (AIA-SDAT), comprised of six consultants organized by the American Institute of Architects. Western Mass AIA provided additional volunteers to illustrate some of the concepts.

Climate adaptation is preparing for climate change. Northampton's Climate Adaptation Plan will describe the framework and initiatives Northampton will use to adapt to a changing climate. The final Climate Adaptation Plan will be added to the city's "Sustainable Northampton Comprehensive Plan," and serve as the blueprint for a wide range of city actions.

Based on current predictions, Northampton's future will most likely be warmer and wetter. In addition, extreme weather occurrences will become more common. Severe rainstorms and snowstorms will increase the potential for flooding and power outages. Severe storms could short-circuit communication and transportation infrastructure causing dangerous conditions for residents. Climate change will impact local growing seasons and crops. It may also result in the introduction of new pests, invasive plants, and increase in certain vector-borne diseases.

Sound depressing? It doesn't have to be. Especially if we have a plan to deal with it and embrace the changes, focusing on celebrating stormwater in our environment, for example, instead of simply addressing it.

The Climate Adaptation Plan provides an opportunity for citizens to come together to create a vision for our future. A vision that addresses climate change with innovative approaches that will ensure future generations enjoy a quality of life that is as good (or better) than what we enjoy now. The AIA-SDAT helped provide a glimpse of what this future could look like.

The AIA-SDAT visit began and ended with well-attended public presentations. During the opening session residents shared concerns about a range of issues related to climate change. These included threats to our local food supply, the need to support renewable energy, and the need to have better access to convenient transportation. Other concerns were related to the disproportionate impact that climate change could have on the city's most vulnerable residents: low income households, and senior citizens.

The AIA-SDAT used the public comments and other data to develop a range of climate change strategies. They presented their recommendations at the final public presentation. The recommendations form the framework for a vision that celebrates climate adaptation, and also responds to Northampton's history and sense of place.

## For example:

- Use existing protective infrastructure, such as flood walls and green buffers for community recreational use while reinforcing the image of Northampton as a special "place".
- Celebrate the city's agricultural history, including local food and farms and a longer farmer's markets season.
- Balance preservation of green space and permeable surfaces with future growth and the need for development.
- Encourage density near existing centers. Promote adaptive reuse of existing buildings. Promote green roofs, rain gardens and other on-site drainage techniques.
- Foster equity and diversity, with an emphasis on affordability, aging in place, and a range of housing types to attract a wide cross section of residents.
- Promote transportation connectivity at all levels. This includes walking, biking, autos and public transportation. Continue to expand bike trails and sidewalk network.
- Recognize that climate adaptation requires collaboration across regions.

## What happens next?

Building on the SDAT, the day after the final presentation Mayor Narkewicz committed the city to meet the standards of the Compact of Mayors, a global effort designed to reinforce and strengthen the city's approach to climate adaptation and climate mitigation (reducing the city's carbon footprint). The City invited residents and stakeholders to get involved, and supports the on-going commitment of the architectural profession not just in Northampton but regionally.

## AIA and WMAIA's role in the process:

AIA describes their AIA-SDAT program as:

A community assistance program that focuses on the principles of sustainability. SDATs bring teams of volunteer professionals (such as architects, urban designers, landscape architects, planners, hydrologists, economists, attorneys, and others) to work with community decision-makers and stakeholders to help them develop a vision and framework for a sustainable future.

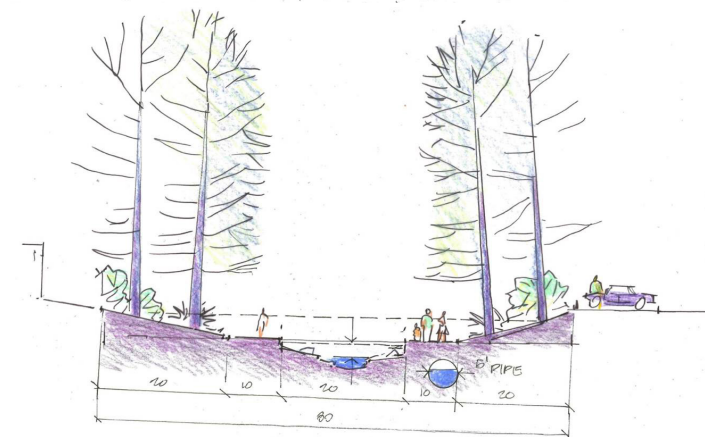
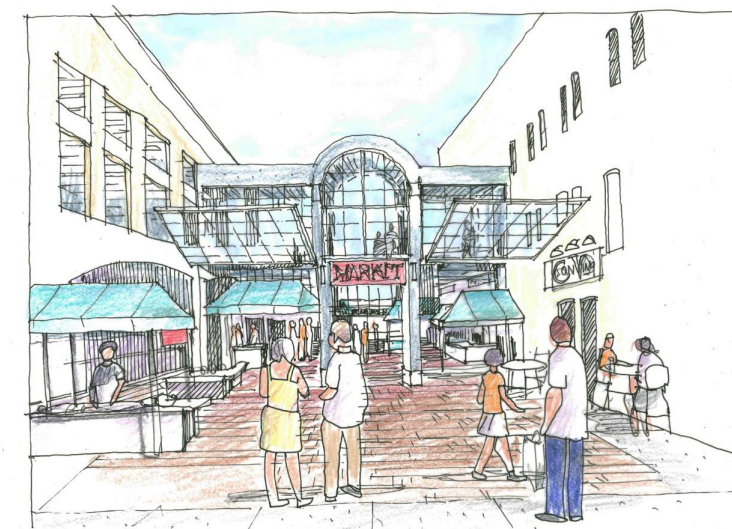
MICHAEL DIPASQUALE AIA, AICP  
WAYNE FEIDEN FAICP, HON WMAIA

# NORTHAMPTON SDAT

The SDAT program is based on the AIA's goal of helping communities create a sustainable relationship between humans, the natural environment, and place. By achieving balance between cultural, environmental, and economic systems, communities can sustain a place as a stage for human settlement.

AIA agreed to provide an AIA-SDAT to Northampton after the city applied, with strong support from WMAIA. Past Western Massachusetts SDATs have included a previous one in Northampton, one in South Hadley, and one in Pittsfield.

WMAIA helped provide volunteers to support the full team. The volunteers were prolific and supplied many of the graphics used in the report. They were also graceful, understanding that supporting a team in a short two-day work envelope means a lot of hurry up and waiting.



Renderings by AIA SDAT and WMAIA volunteers

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This column originally appeared in different form written by Michael DiPasquale in the Daily Hampshire Gazette.

# WMAIA ANNUAL MEETING + GREEN GIANTS 2015

WMAIA's Annual Meeting and Holiday Gathering was a joint event with the West Branch of the USGBC Massachusetts Chapter on December 1st, 2015. The evening began with a tour of the R.W. Kern Welcome Center, a Living Building Challenge building currently under construction on Hampshire College's Campus. The tour was led by members of Wright Builders, Hampshire College as well as members of the design team including Bruner/Cott Architects and Berkshire Design Group. A building which meets the requirements of the Living Building Challenge, must meet 20 imperatives including be net-positive energy, net-positive water and net-positive waste. The LBC is believed to be the most advanced measure of sustainability in the built environment possible today.

After the tour, the group of nearly 100 returned to the festive Red Barn on the campus of Hampshire College to enjoy dinner and several presentations. The WMAIA started off the night with the presentation of student scholarship awards for exceptional design submittals of student work. Two University of Massachusetts Master of Architecture students were recognized: Peng Zhang and Lukasz Czarniecki. (See Page 1)

Following a lovely dinner, we heard from Bruner/Cott Architects and Wright Builders about their collaborative design process for the R.W. Kern Center. Hampshire College President, Jonathan Lash, was in attendance as well, and provided an inspiring insight into the Living Building Challenge process from the college's perspective and why it makes sense for an institution like Hampshire College to invest in such a challenging project. Very much in the spirit of the evening, both parties shared innovative and collaborative instances of problem solving at play to make the project a reality for Hampshire.

The night concluded with the USGBC MA Chapter West Branch presentation of Green Giants awards which focus on celebrating Tradespeople, Educators and Owners who are building, educating and investing in sustainable design and buildings.

We want to thank all those who submitted a stellar collection of nominations, with a total of 33 nominees. We would also like to thank our Boston USGBC Chapter who acted as the jury in selecting the Green Giants winners. They chose to award 10 nominees within the 3 categories, as well as a lifetimeachievement award. A special Thank You to our sponsor, PeoplesBank, without whom, the Green Giants program would not have been possible and to Pella, the sponsor of the WMAIA Annual Meeting.



## THE 2015 GREEN GIANT AWARDEES ARE AS FOLLOWS:

### LIFETIME ACHIEVEMENT AWARD:

Peter Talmage for his lifetime passion for learning about, teaching and engaging in the conversation about sustainable design. Peter is well known in the sustainable design community but is particularly well known as a founding technical instructor for the Greenfield Community College Renewable Energy and Energy Efficiency Program.

### TRADES CATEGORY:

#### Honorable Mention - Trades

Sean Jeffords, Beyond Green Construction, nominated by Megan McDonough

Sean is an energy efficiency maverick who is always looking for ways to teach others. This past year, he worked with the Pioneer Habitat for Humanity to stage an "Insulation Blitz" at their latest Women Build project in Easthampton, MA. Sean and Beyond Green showed up at the job site with Energia, a local co-op insulation company to teach 50 volunteers how to insulate with cellulose. By the end of the day the team had insulated their first potential zero net energy duplex! With 12" thick walls and some roof areas that were 24", this was a mammoth undertaking.

#### Honorable Mention - Trades

Joe Miles and Andy Clogston of r.k. Miles Lumber Yard, nominated by Jonathan Wright

The staff at r.k. Miles (as well as their truss supplier) worked closely with the architects and contractors on both of the Living Building Challenge projects on the Hampshire College campus - the Kern Center and the Hitchcock Center. r.k. Miles relocated their FSC destination yard to North Hatfield to service this project better. RK Miles consistently put in the extra effort that makes them stand out above their competition.

#### Runner up - Trades

Kent Hicks, Kent Hicks Construction, nominated by Marc Rosenbaum

From Deep Energy Retrofits to Zero Net Energy Buildings, Kent continues to add new knowledge, details and tricks to his craft. One of the first Certified Passive House consultants in the area, Kent has always stayed ahead of the curve, helping to lead western Massachusetts into a more energy efficient sustainable future. The nominator stated, "Kent is a creative, dedicated problem-solver who is 100% committed to making each project as environmentally responsible as possible."

#### Green Giant - Trades

Mark Newey for his work at the Center for Eco Technology, nominated by Thom Barry

Originally trained as an aerospace engineer, Mark came to embrace energy efficiency and took on a job in 2005 at western Massachusetts-based, Center for Eco Technology. It wasn't long before he was leading CET's energy efficiency efforts as Director of Green Building and Efficiency Services and managing the Mass Save Programs for the regional utility companies. He also developed CET's own LEED for Homes verification service. Through Mark's interest and drive to improve and increase building's energy efficiency, he has become one of the most respected and knowledgeable practitioners in western Massachusetts.

# WMAIA ANNUAL MEETING + GREEN GIANTS 2015

## EDUCATION CATEGORY:

### Honorable Mention - Education

NESEA- Building Energy PRO-TOURS, Miriam Aylward & Jenny Goldberg, nominated by Jonathan Wright

Building Energy Pro Tours are half-day tours of high performance buildings all over the Northeast, led by members of the project teams, and concluding with a reception, workshop or Q&A session. These tours are an opportunity for sustainable building professionals to see projects in progress, share knowledge and learn from colleagues. NESEA hosts at least eight well-attended Pro Tours each year. With an average attendance at a Pro-Tour of 35-40 people, over 550 people have taken advantage of the learning opportunities offered by the NESEA Pro-Tours in the last year alone.

### Runner up - Education:

Kathleen Lugosch, Professor & Master of Architecture Program Director, Umass, nominated by Kylie Landrey

The Master of Architecture Program at the University of Massachusetts, Amherst immerses students in a vigorous, interdisciplinary curriculum in which sustainable building design and technologies are always an important focus. Kathleen goes above and beyond on a daily basis to work with her students and encourage exploration of sustainable design strategies as an integrated part of each studio project. She earned this award for her crucial role in cultivating students who will go on to bring enthusiasm for sustainable building into the workforce as conscientious designers.

### Green Giant Award- education:

The UMASS Building & Construction Technology Department, nominated by Alexander C. Schreyer

Educating leaders in the field of sustainable design and construction of the built environment is the core mission of the BCT program. Sustainability is taught in almost every course, with a focus on energy performance, building envelope, and renewable energy.

The goals of the BCT program go well beyond traditional instruction in construction management, building systems, and engineering. Instructors strive to impart an environmentally ethical understanding of the responsibilities graduates will have as planners, designers and builders of our future - giving them tools to use the available resources wisely and view the design and construction process as integrated and interdependent.

## OWNER CATEGORY:

### Honorable Mention - Owner

Wright Builders for their investment in green construction at Village Hill, nominated by Mark Dunn

Village Hill, transformed from the former State Hospital grounds, is the site of Wright Builders most ambitious project to date with 55 buildings comprised of single family, townhouses, duplexes and flats. All of the buildings will be either LEED for Homes Certified, Silver or Gold or will be Energy Star Tier II or III. By investing in quality, energy efficient construction and certification, Wright Builders is giving greater value to their clients with homes that are healthy, low energy, and easy to maintain.

## Runner Up - Owner

Jonathan Lash and Hampshire College for their investment in the R.W. Kern Center, nominated by Aelan Tierney

True to its untraditional roots of pushing educational boundaries, being bold, influential, and even radical, Hampshire College conceived of and invested in a new building program that would also push the envelope. In striving for certification of The Kern Center as a Living Building Challenge project, they committed to a tough learning curve, knowing the high-visibility end result would showcase critical commitment to sustainability. Considering that there are currently only 8 certified LBC buildings in the country, it is quite impressive that Hampshire will soon have two on its campus, the other being the Hitchcock Center for the Environment.

## Green Giant - Owner

Amy Johns, Director, Zilka Center for Environmental Initiatives, Class of 1966 Environmental Center, Williams College, nominated by Charley Stevenson

Amy Johns and Williams College are being recognized as a Green Giant for investing in a truly exemplary project. The class of 1966 Environmental Center may be the first Living Building Challenge that is not new construction. Built in 1794 (over 220 years ago!), the building originally served as the president's house. In repurposing it as the Zilka Center for Environmental Initiatives and the Class of 1966 Environmental Center, Williams has set themselves at the current peak of sustainability.

This building is open to the public with tours and activities focused on sustainable living practices. It is the first contemporary building with a non-chlorinated public water supply from a rainwater catchment system.





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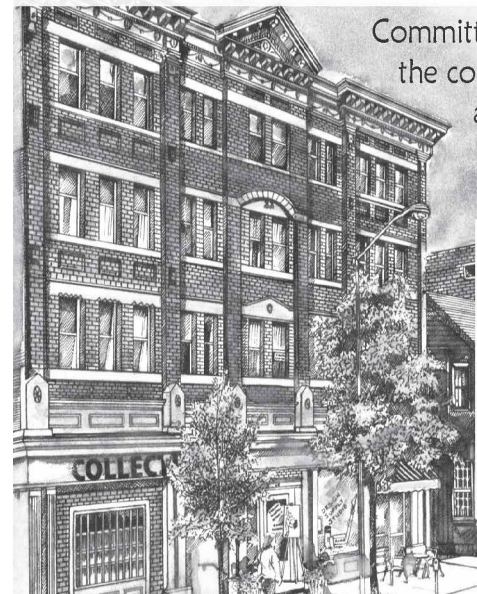
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Residences at Bellefontaine: A 19 unit condominium project for Canyon Ranch in Lenox with two penthouse units under the roof and parking in the basement.

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Crotty Hall is a 16,500 sf building currently under construction at 418 North Pleasant Street in Amherst. It is designed to be a net-zero energy facility that will house faculty and graduate students in the Department of Economics at UMass Amherst. It is sited with the intention of creating an "economics campus" in conjunction with Gordon Hall which already accommodates a portion of the faculty in economics.

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# ZERO NET ENERGY FOR AN ORDINARY HOUSE

CHRIS RIDDLE AIA

I've always been taught and have accepted that a pre-requisite for a zero-net-energy-building was a super-insulated shell. My current experience at my own house is causing me to question that.

Background: My wife DeAnne and I built our 2,000 sf, 3-bedroom house in 1989 (our builder was Lance Hodes of Haydenville Woodworking and Design.) We originally planned for a double-layer envelope but that fell by the wayside during value engineering and what we built was standard, proper construction for that era: a 2x6 exterior wall and 2x12 roof rafters, both filled with cellulose. The windows had low-e insulating glass, but were certainly not triple-glazed. The basement sidewalls were un-insulated between grade and sill plate, and there was no under-slab insulation. Ours was an inefficient oil-fired forced-hot-air heating system. The hot water heater was also oil-fired and similarly inefficient.

In '02, we added a two-panel solar pre-heat with an 80 gal. tank upstream from the original hot water heater. This reduced our oil use for hot water through the winter, and largely eliminated it between April and September. This made a small dent in our oil bill, but the bulk of our energy consumption was still oil for space heating.

In '04, we added 2.4 kw of photovoltaic (PV) panels on the roof. This eliminated all of our electricity bill, but didn't affect fuel oil for space heating.

Lance Hodes' crew did a nice job in '89, and our house was pretty tight. A blower-door-tester said our house was too tight to be healthy, for instance, and he was worried about carbon monoxide problems from our oil burners. He suggested we add combustion air ducts for them. (We didn't do that.)

At some point I investigated ways to improve the envelope, such as insulating the inside of the basement walls and under the roof rafters. These had long paybacks, so all I ended up doing was building a door at the bottom of the bulkhead and a little basement air sealing.

Recent History: Time passed, it was 2014, and along had come the Japanese and their clever air-source heat pumps and Frank Stiebel and his excellent heat-pump hot water heaters. At the same time PV panels had become much more efficient and had come way down in price, reaching about half of the cost per watt of the array that we installed in 2004.

By this time we'd both retired, and the pain around the passing of our parents resulted in tiny silver linings in the form of small inheritances from the sale of the family homes.

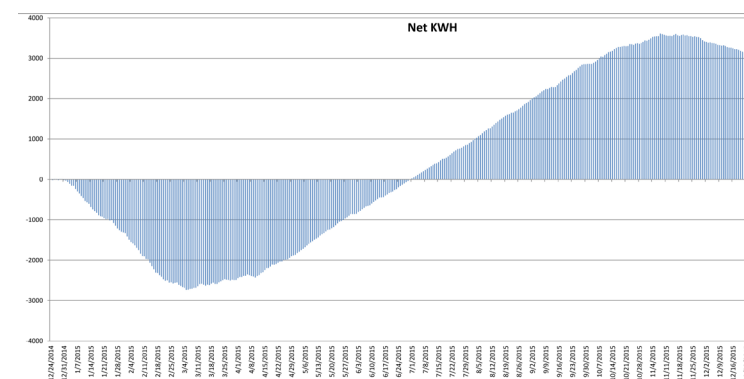
Last year we decided to use these inheritances to try to eliminate all of the CO2 produced by our home.

We considered a few strategies and ended up with the following:

- Build a garage so that we would have enough roof space for more PV panels (and so we wouldn't have to scrape the ice off our car any more.)
- Install 7.2 KW of PV on the garage roof, bringing our total to 9.6 KW.
- Remove our oil fired furnace, hot water heater and oil tank. (No more fossil fuels remain on our property!)
- Install a Daikin air source heat pump with a furnace-replacement indoor unit. This system uses the ductwork already in place.
- Install a Stiebel-Eltron hot water heater to replace our old oil-fired unit. Integrate it with our existing solar-pre-heat system.

Teagno Construction, PV-Squared and MJ Moran were the contractors for these projects, all of whom I'd give rave reviews. We turned on the new PV system on December 24, 2014. I am writing this a year later. Our system generated 3,100 more kilowatt hours than we used! (The chart below is a graph of our accumulated kilowatt hours generated minus kilowatt hours used.) So I'm pleased to announce that we are much better than net-zero. We have a sizeable surplus, one which we hope to use soon to charge a new plug-in electric car. (Our 3,100 kwh surplus would supply 9,000 miles in a car like the Leaf.)

User Behavior: In the spirit of full disclosure, DeAnne and I keep the house cooler in winter than many do, and we didn't use our new heat pump AC very much last summer. We dry our clothes on the line. We do most of the things the Sunday supplements suggest to save electricity – turning off lights, eliminating incandescent bulbs, putting plug strips on our electronic devices, an efficient fridge, etc. (I'm told by Jon Child, at PV-squared, that he sees many homeowners who use the amount of electricity we use just for lighting, appliances and plug loads, never mind heating and AC.)



The Numbers: If you have the site for PV – with a relatively unencumbered access to south sun - there is no good reason not to install it these days – the numbers work. The prices are way down from as little as five years ago, and the tax credits and other incentives are substantial. You don't even have to be an idealist. Here's a summary:

- Our 9.6 kw of PV would cost about \$45,000 today. Federal and Massachusetts income tax credits reduce that \$45,000 down to about \$31,000. Our 9.6 kw generated about 11,500 kwh of electricity this year, saving about \$2,000 in electric bills. The Massachusetts Solar Renewable Energy Certificate (SREC) system sends you a check every year for ten years equaling about 22 cents for every kwh you generate, or about \$2,500 for the 11,500 kwh we generated this year. Adding the savings to the SRECs, that's \$4,500/year. \$31,000 divided by \$4,500 equals a 6.9 year simple payback. That's a no-brainer.

- Or you could borrow the money to pay for the cost of the PV array less the tax credits, \$31,000. Over ten years, a \$31,000 home-equity loan will cost you, at 6%, \$344/month, or \$4,128 per year. (A good credit rating and adequate equity will reduce that interest rate by a percent or two.) The \$4,500/year from electricity savings and SRECs more than pays for the loan payments. After ten years your electricity is free. That also is a no brainer.

- Installing the air-source heat pump and the air-source hot water heater cost us about \$18,000. I'm sure there are cheaper heating and hot water systems out there, but these are extremely efficient pieces of equipment. If DeAnne and I had paid for the electricity to power these two appliances (which we didn't, because of the PV) our cost would have been about two-thirds of what we used to pay for fuel oil in 2013. Of course, the numbers for the PV will probably be worse after the end of 2016, when the federal tax credit is set to expire. So act quickly!

The Message: So what does our experience say about residential design in Western Massachusetts today? I'll summarize it this way: Let's assume you have clients who are committed to addressing climate change and are reasonably careful about energy use (these two qualities do not always go together). Let's assume they wish to have a zero-net-energy footprint. Before my recent experience, an early step would have been to talk with these clients about a high-performance envelope - R40 walls, R80 roofs, eliminating thermal bridging, triple glazing, aggressive air sealing, etc. Now I'm not sure that's necessary. My house is better than net zero and the envelope is nothing special. Taking into account thermal bridging, my house probably has effective R values of about 10-12 in the walls and 20-28 in the roof. There are acres of double-glazed windows. The basement walls and slab aren't insulated at all. The house is pretty well air-sealed, but Passivhaus it ain't.

# ZERO NET ENERGY FOR AN ORDINARY HOUSE

So now I'd start the discussion about finding a good solar site, about designing for a large roof facing south (my 9.6 kw takes up about 550 sq. ft. of roof space), about the economics of a good sized PV array and about efficient HVAC systems. Only then would I go on to talk about the envelope.

I'm not saying that a high-performance envelope isn't highly desirable. My house obviously would benefit from a better envelope, and a house with less than ideal solar conditions and/or a small site can have a smaller PV array if it has a better envelope.

I'm just saying that, from my experience, there appears to be at least one alternate path to net-zero: A proper air-sealed code-compliant envelope, an air-source heat pump HVAC system, a heat pump hot water heater, a reasonably generous amount of PV, and, importantly, an owner committed to conscientious energy behavior.



2004 Solar HW tank, new Stiebel Eltron heat pump hot water heater, Daikin air source heat pump furnace unit, and Renewaire ERV.



Our new 345-watt Sunpower collector (left) and our 300-watt Schott collector from 2004 (right)

Nancy Katz/Wilmark Studios, located in the picturesque village of Shelburne Falls in Western Massachusetts, is a stained glass studio and more. It is the dynamic merger of creative artist Nancy Katz and master craftsman Mark Liebowitz, who founded Wilmark Studios in 1979.

Nancy, the studio's principal artist, has a keen sense of color and design. She has extensive experience facilitating communal projects around the globe. Creating art which reflects the values and sensibility of a given community has been the focus of Nancy's work for over three decades. She has a unique ability to cull information from community members and works intimately with clients to glean the best design solution for their needs.

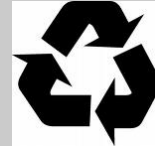
Mark first saw the 'light' as an Art History major at Rutgers University (BA 1973). His love of glass began with soft blueish light cast through the great cathedral windows of medieval France and was nourished by the rich variety of glass in the New York/New Jersey area where he became hooked.

Mark and Nancy met in 2005. They began working together shortly thereafter. In 2007, Mark packed up his longtime studio to set up shop with Nancy in the newly renovated firehouse in the heart of the village of Shelburne Falls. Together they create stained glass windows for public & private spaces working collaboratively with clients to address concerns and goals. They are experienced and masterful in all aspects of glass work--- design, fabrication, installation, repair and restoration--- enlisting the work of highly skilled additional crew members as needed.

Visit [www.nancykatzwilmark.com](http://www.nancykatzwilmark.com).







**WM AIA** programs

**ARCHITECTURE THROUGH FILM** **SPRING 2016**

March 8

**EAMES:**  
*The Architect and Painter*  
(2011)

The husband-and-wife team of Charles and Ray Eames were America's most influential and important industrial designers. Admired for their creations and fascinating as individuals, they have risen to iconic status in American culture. The documentary draws from a treasure trove of archival material, as well as new interviews with friends, colleagues, and experts to capture the personal story of Charles and Ray while placing them firmly in the context of their fascinating times.

LUs 1.5 (Approval Pending)

March 22

**Design is One:**  
*Lella & Massimo Vignelli*  
(2012)

Italian-born Massimo and Lella Vignelli are among the world's most influential designers. Throughout their long career, their motto has been, 'If you can't find it, design it.' The work covers such a broad spectrum that one could say the Vignellis are known by everybody, even those who don't know their names. From graphics to interiors to products and corporate identities, the film brings us into the work and everyday moments of the Vignellis' world, capturing their intelligence and creativity, as well as their humanity, warmth, and humor.

LUs 1.5 (Approval Pending)

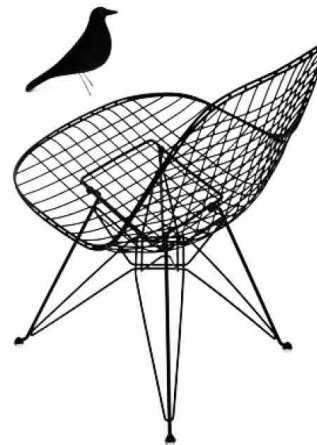
April 5

**The Oyler House:**  
*Richard Neutra's Desert Retreat*  
(2012)

In 1959, a working-class government employee in the tiny desert town of Lone Pine, California, asked world-famous modern architect Richard Neutra to design his modest family home. To his surprise, Neutra agreed. Thus began an unlikely friendship that would last until Neutra's death in 1970. *The Oyler House: Richard Neutra's Desert Retreat* tells the story of this house and its stunning desert setting through interviews with Richard Oyler; actress Kelly Lynch; who currently owns the house; Neutra's two sons; and well-known LA real estate agent Crosby Doe.

LUs 1.5 (Approval Pending)

*Presented by  
the Western Massachusetts  
Chapter of the  
American Institute of Architects  
and the Five College  
Architectural Studies Program*



**Location: Room 117 @ Fayerweather Hall -Amherst College - 6:30 PM.**  
**All films followed by discussion. Free and Open to the Public**

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