

# Conference Schedule Grid

## Wednesday

	Plenary Sessions	Track One	Track Two	
7:30 to 8:15 a.m.	Registration and Continental Breakfast			Rooms: Winter Garden and Depot Pavilion
8:15 to 8:30 a.m.	Welcome and Opening Remarks			Room: Depot Pavilion
8:30 to 10 a.m.	Green Rehab: Part 1 Michael Ansel Verified Green, Inc. Hiawatha I-2-3	Integrated Design: Helping to Achieve Affordable Green Homes Brad Kruse, Weis Builders (Plus Panel) Great Hall	Study, Selection, and Significance in Sustainability for Affordable Housing Rachel Wagner, Wagner Zaun Architecture Rock Island	
10 to 10:30 a.m.	Break/Exhibit Tables			Room: Depot Pavilion
10:30 a.m. to Noon	Green Rehab: Part 2 Michael Ansel Hiawatha I-2-3	Measuring Performance in Green Projects Rick Carter and David Williams, LHB, Inc. Great Hall	Green Growth in Rural Communities Jan Joannides, Renewing the Countryside Rock Island	
12:15 p.m.	Keynote Luncheon Address: Mark Fenton			Room: Depot Pavilion
1:30 to 3 p.m.	Green Rehab: Part 3 Michael Ansel Hiawatha I-2-3	Housing and Our Health Minnesota Department of Health and City of Minneapolis Panel, Great Hall	City Trees: Innovative Tree and Stormwater Management, Lorin Culver, Bonestroom, (Plus Panel), Rock Island	
3 to 3:30 p.m.	Break/Exhibit Tables			Room: Depot Pavilion
3:30 to 5 p.m.	Green Rehab: Part 4 Michael Ansel Hiawatha I-2-3	MGC Demonstration Projects: Lessons from the Field William Weber, University of Minnesota (CSBR), (Plus Panel) Great Hall	Creating More Livable, Walkable Communities Mark Fenton, Rock Island	
5 to 7 p.m.	Green Happy Hour (optional)			Room: Charles S. Frost
5:30 to 6:15 p.m.	Walking Tour with Mark Fenton (optional)			Room: Meet in the Winter Garden

## Thursday

	Plenary Sessions	Special Opportunities	Workshop Sessions	
7:30 to 8:30 a.m.	Registration and Continental Breakfast			Rooms: Winter Garden and Depot Pavilion
8:30 to 10 a.m.	Habitat for Humanity Goes Green Jan Plimpton, Habitat for Humanity Minnesota, (Plus Panel) Hiawatha I-2-3	Housing Development and the New Energy Economy Russ Adams, Alliance for Metropolitan Stability, (Plus Panel), Great Hall	Redefining Affordable Housing with Energy in Mind Michael LeBeau, Conservation Technologies, Rock Island	
10 to 10:30 a.m.	Break/Exhibit Tables			Room: Depot Pavilion
10:30 a.m. to Noon	Minnesota Housing and New Mandatory Green Requirements Minnesota Housing Panel Hiawatha I-2-3	Meeting the Challenge of Climate Change Dane Smith, Growth & Justice, (Plus Panel) Great Hall	Clearing the Hurdles to Finding Green Building Products Cindy Ojczyk, Verified Green, Inc. Rock Island	
Noon	Keynote Luncheon Address: Van Jones			Room: Depot Pavilion
1:30 to 3 p.m.	The General Contractor's Notebook: Lessons Learned Dale Forsberg, Watson-Forsberg, (Plus Panel) Hiawatha I-2-3	Building Science as a Guide to High Performance Housing Pat Huelman, University of Minnesota Great Hall	Sustainable Landscape Practices in Affordable Housing Todd Rexine, Great River Greening Rock Island	
3 to 4 p.m.	Closing Remarks and Reception			Room: Depot Pavilion
2:45 p.m.	Solar Panel Installation and Community Celebration at Little Earth			Room: Meet in the Winter Garden
3:30 p.m.	Tour of Ripley Gardens (a Minnesota Green Communities Demonstration Project)			Room: Meet in the Winter Garden

# Day One



Clover Field Marketplace, Chaska

Wednesday, May 21

## Day One Schedule

### Plenary Sessions

7:30 a.m.

**Registration and Continental Breakfast**  
**Rooms: Winter Garden and Depot Pavilion**

8:15 a.m.

**Welcome and Opening Remarks**  
**Room: Depot Pavilion**

**Warren Hanson**, President and CEO, Greater Minnesota Housing Fund

12:15 p.m.

**Keynote Luncheon Address**  
**Room: Depot Pavilion**  
**Improving the Health and Livability of Our Communities**

#### Mark Fenton

Almost two-thirds of the adult population in the US is overweight and fewer than 25% meet the Surgeon General's recommendation for physical activity through leisure time exercise. Fenton discusses America's greatest current public health concerns—the rise of sedentary lifestyles and their associated afflictions—and presents solutions through the design and engineering of more walkable, bicycle-friendly settings and complete streets. He also stresses the need for responsible environmental stewardship, preservation of open space, and the development of trails and greenways in cities and towns. Fenton's main goal is to help communities make the connection with individual/public health and environmental and economic health. Too often they are seen as separate initiatives, when in fact they are inextricably linked.

### Track One

#### Green Residential Rehabilitation

**Room: Hiawatha 1-2-3**

**Michael Ansel**, Verified Green, Inc.

This full-day course focuses on the rehab of existing single family homes, understanding that this will generally entail working within the existing frame of the home. Many concepts will also apply to multifamily housing. The workshop will be broken into four segments and will address core concepts at the beginning and move increasingly into more in-depth and technical sessions as the day progresses. *Participants are welcome to join for the whole day or to attend individual sessions only.*

8:30 to 10 a.m.

#### Part 1 Introduction to Green Rehabilitation

*(Introductory level)*

This class will introduce participants to the core concepts of green building (energy and resource efficiency, water, indoor environmental quality, resource conservation, community impact, site impact) and provide clear explanations of commonly used terms. Participants will learn about the importance of good planning, prioritizing sustainable strategies, and identifying what is most appropriate for projects with a limited budget. The class will discuss the importance of testing and verification and the myths surrounding the cost of green rehab.

10:30 to Noon

#### Part 2 Assessment and Strategy Development—A Systems Approach

*(Introductory level)*

This class will focus on the importance of a thorough review and assessment of the structure and systems prior to design or construction. Participants will discuss what tests to perform, how to interpret the results, and how they should influence the project. This class will also have a building science component as it looks at wall systems, pressure systems, traditional mechanical systems, how moisture moves, ventilation, and back-drafting. Payback options related to water and energy will be discussed as will the idea of durability as affordability.

TRACK ONE: GREEN REHAB

# Day One



Park Avenue Apartments, Minneapolis

1:30 to 3 p.m.

TRACK ONE: GREEN REHAB

## Part 3 Implementation and Management Strategies for Your Business

*(Intermediate level)*

This class has an operations and management focus and will discuss cost effective strategies for implementing green building practices in the field on affordable housing projects. It will also discuss how to prepare your organization internally and how to introduce the green rehab concept to field staff and specialty and sub-contractors. We will discuss options for managing expectations, concerns, resistance, and problems. Suggestions for immediate operations changes and best-practices that can be easily integrated will be made. A more efficient operation means more money for your project.

3:30 to 5 p.m.

## Part 4 Advanced Systems, Products, and Possibilities

*(Advanced level)*

This class will offer participants an opportunity for an interactive discussion on specific green building systems they are interested in exploring. It will offer the opportunity to discuss specific options available for green building in the affordable housing market including, but not limited to: optimum value engineering, alternative energy systems—costs and payback, insulation systems, ducting options and best practices, mixed systems, product pros and cons—which ones have the most value with the least expense.

8:30 to 10 a.m.

## Track Two (Morning Breakout Sessions)

### Integrated Design: Helping to Achieve Affordable Green Homes

**Room: Great Hall**

**Brad Kruse**, Weis Builders, Inc.

**Gretchen Camp**, BKV Group

**Heather Gay**, Kandiyohi Development Partners

**Joel Salzer**, Lutheran Social Services

*(Introductory level, multifamily focus)*

This session will demonstrate that it is possible to successfully develop green affordable housing without breaking the bank. Leaders in green housing will share their approach to integrated design and construction through real project experiences and examples. The experienced panel combines perspectives from a building owner, architect, and general contractor. Participants will learn the basic elements to integrated design, along with considerations for forming the right team of owner, architect, contractor, and other key consultants. The session will cover how the team can work together to identify strategic green goals and how to achieve those goals throughout design and construction. It will also explore how to best research and choose green products and how to balance cost, durability, and green criteria when exploring such design options.

### Study, Selection, and Significance in Sustainability for Affordable Housing

**Room: Rock Island**

**Rachel Wagner**, Wagner Zaun Architecture

*(Intermediate level, single family focus)*

“Sustainable” is not a static term. People and organizations involved in affordable housing need to be willing and prepared to regularly evaluate the prioritization of elements, the options available, and the choices being made in the construction of housing with limited financial resources. This presentation focuses on recent research and applications developed by the Northern Communities Land Trust (NCLT), their architect, and their building contractor. The “Sustainability Index”, a hierarchical evaluation framework, was developed as a tool used by NCLT to monitor and measure choices as the agency improves the energy and resource efficiency of its homes. Discussion includes development of protocols for the continued investigation and evaluation of affordable, environmentally preferable materials and practices.

CHOOSE ONE OF TWO SESSIONS

# Day One



New San Marco, Duluth (architect's rendering)



New San Marco, Duluth (opened May 2007)

10:30 a.m. to Noon

## Track Two (Morning Breakout Sessions)

CHOOSE ONE OF TWO SESSIONS

### Measuring Performance in Green Projects

Room: Great Hall

Rick Carter, LHB, Inc.

David Williams, LHB, Inc.

*(Advanced level)*

LHB began researching and documenting actual performance data from projects in early 2007. Evaluation starts with energy use, greenhouse gas emissions, water use, and stormwater management. This session presents results from approximately 20 evaluated projects.

### Green Growth in Rural Communities

Room: Rock Island

Jan Joannides, Renewing the Countryside

*(Introductory level, public policy and greater Minnesota focus)*

This presentation will highlight success stories of sustainable economic development in rural Minnesota. Examples include programs such as Creating Value Added Communities (CVAC), Green Routes sustainable tourism programs, and individual business successes found through increased community development.

1:30 to 3 p.m.

## Track Two (Afternoon Breakout Sessions)

CHOOSE ONE OF TWO SESSIONS

### Housing and Our Health

Room: Great Hall

Vicki Carey, City of Minneapolis

Laura Oatman, Minnesota Department of Health

Lisa Smestad, City of Minneapolis

*(Introductory level)*

Our homes have a larger-than-recognized impact on our health. This session will examine the causes and extent of a variety of health issues and how families living in affordable housing more often experience these challenges. Learn the basic principles of healthy housing construction, including specific tips for how to avoid problems in new construction and rehabilitation. Also hear details of case studies that worked with families and children with asthma through the assessment of home-based triggers for respiratory problems, implementation of low-cost interventions, and family conversations, education, and training. Leave with a set of tools for reducing the negative health effects of your own home and the homes you help create and resources for educating the families you serve.

### City Trees: Innovative Tree and Stormwater Management

Room: Rock Island

Lorin Culver, Bonestroo

Randy Neprash, Bonestroo

Ciara Schlichting, Bonestroo

C. John Uban, Bonestroo

*(Advanced level, public policy focus)*

Although trees are critical components of every community's infrastructure, the benefits they provide are very often overlooked. Learn the role trees can play in stormwater management and how tree planting systems can achieve water quality benefits and stormwater regulatory credits. Join the authors of *City Trees—Sustainability Guidelines & Best Practices* to explore opportunities to institutionalize trees in the planning process, outline best practices, and review projects in cold climates.

# Day One



Viking Terrace, Worthington (architect's rendering)



Viking Terrace, Worthington (opened May 2007)

3:30 to 5 p.m.

## Minnesota Green Communities Demonstration Projects: Lessons from the Field

**Room: Great Hall**

**William Weber**, University of Minnesota, Center for Sustainable Building Research (facilitator)

**Kim Bretheim**, LHB, Inc.

**William Freitag**, Wilcon Construction

**Rick Goodemann**, Southwest Minnesota Housing Partnership

**Matthew Hendricks**, Aeon

**Rick Klun**, Center City Housing Corporation

*(Intermediate level, multifamily focus)*

Three Minnesota Green Communities demonstration projects are now completed and occupied, including New San Marco (Duluth), Ripley Gardens (Minneapolis), and Viking Terrace Apartments (Worthington). Development team members from these first projects will share their experiences and lessons learned from the process, including what should be replicated and what might be improved upon for future projects. This panel discussion offers a unique opportunity to hear first hand from developers across Minnesota and benefit from their experience working with the Green Communities Criteria—through planning, design, construction, and occupation. Recognizing the strength of diverse experiences, the session allows for the opportunity to share information early and broadly as Minnesota begins to transform all housing to a more sustainable model.

## Creating More Livable, Walkable Communities

**Room: Rock Island**

**Mark Fenton**

*(Advanced level, public policy focus)*

Mark Fenton will describe the process of facilitating an interactive livable community workshop and highlight successes of specific communities. Many advocates, planning and design firms, developers, and local agencies (planning, public works) are finding such facilitated workshops to be the best way to generate public input on projects right at the beginning, rather than waiting for designs to be fully developed. The process leads to much better designs—healthier, more sustainable, and more economically successful—by inviting constructive community input rather than fierce community resistance. The workshop will also suggest concrete steps individuals, neighborhoods, professionals, companies, and governments can take to immediately begin to alter their environments more positively to improve both the health and overall livability of their communities.

CHOOSE ONE OF TWO SESSIONS

5 to 7 p.m.

## Green Happy Hour (optional)

**Room: Charles S. Frost**

An informal gathering following the close of day one. Take time to unwind with colleagues, network, and discuss topics of interest from Green by Design.

5:30 to 6:15 p.m.



## Walking Tour w/Mark Fenton (optional)

**Room: Meet in the Winter Garden**

After a long day of sitting in the classroom, enjoy some exercise and fresh air by joining a walking tour hosted by keynote speaker Mark Fenton. Fenton will take participants on a fun walk and educational tour highlighting some of the innovative efforts in Minneapolis that help encourage walking and bicycling. Don't worry, you don't need to be a racewalker to join in and we'll be back in time to enjoy refreshments during the Green Happy Hour mentioned above.

# Day Two



Sawtooth Cottages, Grand Marais



Minnehaha Avenue Apartments, Minneapolis

Thursday, May 22

7:30 to 8:30 a.m.

12:15 p.m.

8:30 to 10 a.m.

## Day Two Schedule

### Plenary Sessions

#### Registration and Continental Breakfast

Rooms: Winter Garden and Depot Pavilion

**Note:** Following breakfast, conference attendees should head directly to their first session and there are no opening remarks on Day Two.

#### Keynote Luncheon Address

Room: Depot Pavilion

#### Community Empowerment through Environmental Justice for All

**Van Jones**, Founder and President, Green for All

Van Jones will present an impassioned speech on the moral imperative and critical global need to build a green economy strong enough to lift people out of poverty. Jones urges us to carry our spiritual, cultural, and economic movements into the electoral arena to transform politics and forge a green “New Deal” coalition so that kids who are now prison fodder are turned around to be a part of the solution to urban America’s toughest problems: social inequality and environmental destruction. It is in this quest that Van’s national campaign initiative (launched in 2007), “Green for All”, provides hope and structure to green-collar jobs and opportunities across America.

### Morning Breakout Sessions

#### Habitat for Humanity Goes Green

Room: Hiawatha 1-2-3

**Jan Plimpton**, Habitat for Humanity Minnesota (facilitator)

**Molly Berg**, West Central Minnesota Habitat for Humanity

**Chad Dipman**, Twin Cities Habitat for Humanity

**Wayne Eller**, East Central Minnesota Habitat for Humanity

**Parker Quammen**, Goodhue County Habitat for Humanity

*(Introductory level, single family focus)*

The 35 Habitat for Humanity affiliates in Minnesota are building at the rate of 130 homes per year. As a result of a recent survey, Habitat documented a broad range of green building techniques that are being used throughout the state. In this session, panelists will review the survey results and hear case studies from several of the “greenest” Habitat affiliates. Examples will include approximately 1,000 square foot homes that:

1) have achieved five-star plus Energy Star ratings, 2) get HERS ratings of 65 or better, 3) meet the Energy Star Builder’s Option Package level, 4) deploy low VOC Valspar paint, 5) yield less than two cubic yards of building waste (per home), and 6) make extensive use of recycled/reused building materials.

#### Housing Development and the New Energy Economy

Room: Great Hall

**Russ Adams**, Alliance for Metropolitan Stability (facilitator)

**John Bailey**, Greater Minnesota Housing Fund

**Michael Haynes**, Environmental Justice Advocates of Minnesota

**Lynn Hinkle**, Retired UAW leader

**Karen Monahan**, Sierra Club and Environmental Justice Advocates of Minnesota

*(Advanced level, public policy focus)*

“Climate change will be the defining issue for urban planning and land development in the years ahead,” said Reid Ewing, National Center for Smart Growth Research and Education at the University of Maryland. With this in mind, how can Minnesota communities continue to grow and develop while maintaining a low carbon foot-

CHOOSE ONE OF THREE SESSIONS

# Day Two



The Wellstone, Minneapolis

8:30 to 10 a.m. (continued)

CHOOSE ONE OF THREE SESSIONS

print? This workshop will examine how future land-use and development decisions will need to address climate change concerns. Using real-life examples, panelists will explore how redevelopment activities can be linked to green reindustrialization, good jobs, affordable housing, public transit, and the New Energy Economy.

### Redefining Affordable Housing with Energy in Mind

Room: Rock Island

**Michael LeBeau**, Conservation Technologies

*(Advanced level)*

Besides the commonly considered costs of developing, operating, and maintaining affordable housing, there are additional costs to occupants and the larger community—both up front and during occupancy. The movement to add green elements to affordable housing strives to address some of these external costs to reduce environmental and health impacts. Energy supplies are headed for significant change and instability, and will increasingly affect the direct costs of housing over the life of the building. Since energy use in buildings also represents the single largest environmental impact, measures to reduce energy consumption help to both control operating costs and reduce our carbon footprint. This session will take a closer look at approaching changes in our energy situation to help guide informed decisions to improve energy performance in affordable housing.

10:30 a.m. to Noon

CHOOSE ONE OF THREE SESSIONS

### Minnesota Housing and New Mandatory Green Requirements

Room: Hiawatha 1-2-3

**Katy Lindblad**, Minnesota Housing

**Julie Ann Monson**, Minnesota Housing

**Jonathan Stanley**, Minnesota Housing

**Bruce Watson**, Minnesota Housing

*(Introductory level)*

Demonstrating Minnesota Housing's commitment to sustainable development, the Agency has adopted a Minnesota Overlay to the Green Communities Criteria for both its multifamily (2007) and most recently its single family division (2008). Participants will learn more about how these major policy changes affect the funding and development process for affordable housing in Minnesota. The multifamily division will provide an overview of the criteria in place for multifamily projects and report on lessons learned from the first year's use. The single family division will launch the Minnesota Overlay to the Green Communities Criteria for single family housing and provide information on the implementation of the criteria with respect to the Community Revitalization Fund (CRV) program.

### Meeting the Challenge of Climate Change

Room: Great Hall

**Dane Smith**, Growth & Justice (facilitator)

**Ellen Anderson**, Senator, State of Minnesota

**Edward A. Garvey**, Minnesota Office of Energy Security, Department of Commerce

**Barb Thoman**, Transit for Livable Communities

*(Intermediate level, public policy focus)*

Recognizing the implications that global climate change may have on the economy, environment, and quality of life in Minnesota, Governor Tim Pawlenty signed into law the 2007 Next Generation Energy Act. The law builds on Minnesota's nation-leading energy policies of more renewable energy, more energy savings, and lower carbon emissions, and specifies the development of a comprehensive plan to reduce Minnesota's emissions of greenhouse gases. The panel will review the recommendations of the Minnesota Climate Change Advisory Group, provide updates on policy actions responding to those recommendations, and discuss their implementation.

# Day Two



Van Cleve Apartments, Minneapolis

10:30 a.m. to Noon (continued)

CHOOSE ONE OF THREE SESSIONS

## Clearing the Hurdles to Finding Green Building Products

**Room: Rock Island**

**Cindy Ojczyk**, Verified Green, Inc.

*(Introductory level)*

Green building is a systems process that combines products and processes to meet the goals of design. Understanding what types of products are used in green development and where to find them is important in reaching sustainability goals. This class also presents a new way of thinking about products. Rather than just looking at whether the product itself is green, it is also important to look at the attributes of the product that meet green criteria, including energy, water, resource efficiency, indoor air quality, etc. This class will discuss the terms used to define green attributes and explore the role of non-green products in creating a green home.

1:30 to 3 p.m.

CHOOSE ONE OF THREE SESSIONS

## Afternoon Breakout Sessions

### The General Contractor's Notebook: Lessons Learned

**Room: Hiawatha 1-2-3**

**Dale Forsberg**, Watson-Forsberg Co.

**Kim Bretheim**, LHB, Inc.

**Ron Price**, Twin Cities Local Initiatives Support Corporation

*(Intermediate level, multifamily focus)*

This session will review lessons learned on a series of projects from the perspective of a general contractor and the architect collaborating on the development. The projects grew successively greener over time and include super insulating West Bank homes in the 1980s, building the Erickson Diversified Headquarters in 1995, and the New San Marco and Ripley Gardens in 2006. This unique contractor/architect perspective moves beyond design to implementing sustainability goals on complex job sites where things do not always go according to plan.

### Building Science as a Guide to High-Performance Affordable Housing

**Room: Great Hall**

**Pat Huelman**, University of Minnesota

*(Intermediate level)*

Are current trends in the building industry leading to overwhelming costs and underwhelming performance? Does the goal of producing affordable, efficient, and sustainable homes require a new approach? Building science and a systems perspective can help you produce more robust solutions for affordable housing. This session will describe how it is possible to get more with less!

### Sustainable Landscape Practices in Affordable Housing

**Room: Rock Island**

**Todd Rexine**, Great River Greening

*(Introductory level)*

This session will highlight the utilization of native vegetation and alternative stormwater practices to promote a sustainable landscape for affordable housing. Great River Greening has worked in conjunction with three properties in the metro area to design sustainable landscapes as demonstration sites. Each property is composed of elements to create a more complete and diverse set of tools to address ecological and environmental concerns.

3 to 4 p.m.

## Closing Remarks and Reception

**Room: Depot Pavilion**

**Dana Bourland**, Senior Director, Enterprise Community Partners

Please join us in the exhibit hall to close the conference. Enjoy ice cream sundaes, raffle prizes, networking, and a final look at the exhibit booths highlighting green products, companies, and services.

## Day Two



Ripley Gardens, Minneapolis (architect's rendering)



Ripley Gardens, Minneapolis (opened October 2007)

### Other Special Conference Opportunities

Minnesota Green Communities is pleased to offer the two special events outlined below in conjunction with Green by Design. *Please sign up at the registration desk if you would like to participate as space is limited.*

2:45 to 5:45 p.m.

#### Solar Panel Installation and Celebration at Little Earth

**Room: Meet in the Winter Garden by 2:45 p.m.**

**Note:** Shuttle bus transportation provided to and from the community celebration. Buses leave at 2:45 p.m. and return no later than 6 p.m.

Please join Little Earth of United Tribes and Honor the Earth at a community celebration and feast to dedicate the first solar panel installation at Little Earth. The program is sponsored in part by Minnesota Green Communities and will feature speakers Van Jones and Winona LaDuke, along with indigenous foods and music. Learn more about green jobs and how solar and wind power can create a healthier future for our generation and generations to come.

3:30 to 4:45 p.m.

#### Tour of Ripley Gardens

**Room: Meet in the Winter Garden by 3:30 p.m.**

**Note:** Shuttle bus transportation provided to and from the development. Buses leave at 3:30 p.m. and return no later than 5 p.m.

Join us for a tour of Ripley Gardens, one of eight Minnesota Green Communities demonstration projects. Ripley Gardens is the redevelopment of the former Ripley Maternity Hospital in the Harrison Neighborhood of Minneapolis. The development includes the restoration of three historic buildings and the addition of three new buildings to provide 52 rental and eight home ownership units. The project, developed by Aeon, incorporates a wide range of sustainable design elements to provide healthy, energy efficient, and affordable housing for individuals and families in Minneapolis.

### Continuing Education

#### Continuing Education Credits are available for selected Green by Design sessions.

- Minnesota Green Communities is a registered AIA/CES Provider. Several Green by Design programs have been approved to offer AIA/CES Learning Units.
- Several Green by Design programs have been approved for continuing education credits by the Department of Labor and Industry.

**Note:** For details and more information, please see registration desk.

