

# Integrative Design Collaborative

## Buildings + Habitat + Community

### Resume

William G. Reed

June 2006

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Mr. Reed, a practicing architect for 25 years, is one of the nation's leading experts on green design. He extends his expertise regularly to conferences, forums, and universities – demonstrating that green design makes both economic and environmental sense. He sees the philosophy of sustainability as the framework from which all technical and many functional decisions are derived; with the objective to improve the overall quality of the physical, social and spiritual life of our living places.

In the Integrative Design Collaborative he focuses exclusively on green building and community planning issues. IDC is involved in education and on the subject of whole system, or integrative, design that emphasizes building evolutionary capability within the design, construction and management of our environment. This work includes design, consulting and facilitation of the whole-system design process for government organizations, developers and architects.

His professional career began with energy efficiency and solar design work in New England and moved to large commercial work with the firms of CS&D and RTKL. In 1984, Bill established his own firm, WG Reed Architecture, focusing primarily on corporate, retail and institutional clients. His firm merged with The Hillier Group to form Hillier-Reed in 1995. He sold his firm in 1996.

Bill received a Bachelor of Architecture degree from Cornell University and continues his studies independently with the most advanced theorists and practitioners of system thinking in the linking of natural and human ecology. He has guest lectured at U. Penn, Harvard, MIT, Carnegie-Mellon, Catholic, McGill, and FAU and has been featured in a variety of electronic media shows.

Bill has published widely on sustainable issues in building and planning. His recent work includes: Green design training and facilitation for a variety of institutional projects with the New York City Department of Design and Construction; Genzyme Headquarters, Cambridge, MA; the West Palm Beach Waterfront Plan; ecological systems design for St. Mary's County, MD; green design standards for the new courthouse program for the General Services Administration; village ecological planning for developments in MD, AZ, UT, CA; GSA Regional and National Headquarters; high-end and affordable housing projects in the Boston Metro area. In addition to architectural and planning projects he is involved in the development and refinement of benchmarks determining what defines green building. He was one of the originators of the LEED Green Building Rating system and served in the development of that program for 10 years. He continues this work as a LEED Advanced Faculty instructor, serves on the Northeast Sustainable Energy Assoc Board, and as advisor for Environmental Building News.

## **Contact Information**

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## **Education**

Bachelor of Architecture, Cornell University, 1976  
Continuous training and research in Ecological Systems Planning

## **Registration**

Maryland, Virginia, Vermont, New Jersey, District of Columbia, West Virginia,  
Pennsylvania, NCARB Certificate

## **Professional Affiliations**

U.S. Green Building Council, Founding Board Member, 3 terms  
LEED Advanced Faculty  
Former Co-chair LEED Green Building Rating System Development Committee  
Former Co-chair LEED 3.0 Development Committee  
Revitalization Institute, Technical Chair on Rating System Development  
Northeast Sustainable Energy Association, Board Member  
Member, Society for Ecological Restoration  
Member, American Solar Energy Society;  
Member, American Institute of Architects,  
Former Executive Committee, Committee On The Environment;  
Past Co Chairman and Editor of site planning/land use issues section;  
A.S.T.M. E50.06.02 Residential Green Building Standards,  
Member and former Instructor, Passive Solar Industries Council;  
Past Dept. of Energy Sustainable Buildings Advisory Group;  
Past Member and Speaker, Community Sustainability Resource Institute;

## **Professional Experience:**

Integrative Design Collaborative, Inc., Buildings + Habitat + Community –  
President, Environmental Design Consulting – Mar 2004 –  
affiliated with Natural Logic, Inc.  
Natural Logic, Inc., Vice President, Integrated Design Consulting – Jan 2001/Mar 2004  
W. G. Reed & Associates, Environmental Design Consulting – Mar 1998/Dec 2000  
The Hillier Group, Architecture, 350 person firm – Jan 1996/Feb 1998  
Hillier / Reed, Architecture, 15 person firm – Jan 1994/Dec 1995  
WG Reed Architecture, 15 person firm – Oct 1984/Dec 1993  
RTKL Associates, Inc., Architecture, 200 person firm  
Jeffrey Barnes, Architects, 2 person firm  
Design, Inc., 3 person firm  
Stetson-Dale Partnership, 150 person firm

## **Board of Advisors**

Environmental Building News, Brattleboro, VT

Citilog, Urban Forestry Education And Training Corporation, NJ, 2004

Pangea, Boulder, CO, Eco-tourism developer and conservation company, 2004

## **Civic Leadership**

Governor's Green Building Council, State of Maryland 2001-2006

Appointed by Governor Glendening to his advisory board on green building

Deputy Mayor and Council Member, Town of Chevy Chase, MD, 5 terms

Past Member, Bennington County Regional Commission

Past Member, Manchester Vermont Town-Lift Committee

## **Honors**

Selected as one of "25 Environmental Champions for 2005" in a survey conducted by Interiors & Sources magazine

## **Teaching**

Universidad Iberoamericana, Mexico City

Guest lecturer, 2005, 2006

Florida Atlantic University

Guest lecturer, 2004

Harvard University

Guest lecturer, 2003

Yale University

Guest lecturer, 2006

University of Pennsylvania

Guest lecturer, yearly

Massachusetts Institute of Technology

Guest lecturer, 2001, 2003

The Catholic University of America,

Adjunct Faculty Lecturer. "Ecology, Technology and Design" Required course for Sophomores and elective course for Graduate Students, 1999

Guest Lecturer, 1996-1998

University of Maryland,

Guest Lecturer and Jurist, 1999, 2000, 2001

Carnegie Mellon University,

Guest Lecturer, 1996, 2003

## **ENVIRONMENTAL ADVOCACY ACTIVITIES**

### **Publications on Sustainable Issues**

*Shifting Mental Models – "Sustainability" to Regeneration*, Article for University of Florida, April 2006

*Regenerative Development*, article for Revitalization Magazine, March/April 2006

*Shifting Our Collective Mindset*, with Nadav Malin and Joel Todd, August 2005

*Integrated Design in a Disintegrated World*, article for National Association of Independent Schools, Spring 2005

*Questions as Leverage for Change*, foreword to the book, [365 Important Questions to Ask about Green Buildings](#), by Jerry Yudelson and Alan Whitson, December 2003

*The Cost of Green Building*, Cornerstone, published by Green Building Alliance, March 2003

Reed, W. and Friend, G., *Embodied Energy*, Reflexive Architecture, Architectural Design, Wiley-Academy, Vol. 72, No. 3, May 2002

Reed, W., *Integrated Design*, Building Standards Magazine, March/April, 2002

Reed, W. and Gordon, E., *Integrated Design and Building Process: needed research and methodologies*, Building Research & Information (2000), **28** (5/6), 325-337

Contributor to "Four Times Square, Lessons Learned," *Whole Systems Design*, September 1997

*Interiors & Sources*, Cover Story on the work of William Reed and Penny Bonda, January/February 1997

[Sustainable Building Technical Manual](#), Chapter on Pre-design and Programming, published by Public Technologies, Inc. This chapter addresses the integration process for team design.

"Principles of Planning", a proposal for sustainable building and development in the Washington, DC region. PVAIA Memo, July 1994. Distributed to political candidates and environmental groups. This article was the catalyst for the beginning of a sustainable planning policy in the Maryland National Capital Parks and Planning Commission jurisdiction (Montgomery and Prince George's Counties)

"The Montgomery County General Plan - not a plan, not a vision",  
A critique of the current planning policy in Montgomery County.  
PVAIA Memo June 1994

"Lean & Green, the dollars and sense of the Green Building Movement",  
Managers Source Guide, October 1994

## **Features and Citations**

Environmental Building News

- *Measurement and Verification: Monitoring Building Systems for Optimal Performance*, Jessica Boehland, June 2006
- *The Mindset Thing; Exploring the Deeper Potential of Integrated Design*, Nadav Malin, December 2005
- *Integrated Design*, Nadav Malin, November 2004

Architectural Record

- *How is LEED Faring after Five Years in Use?*, Nancy Solomon, AIA, June 2005
- *New Building Systems Mimic Nature and Return to a Biocentric Approach to Design*, by Nancy Solomon, AIA, September 2002

#### Urban Land Magazine

- *Moving Beyond Green*, Barbara, Kreisler, June 2006
- *Green Design Tools*, Greg Kats, July 2006

#### On Common Ground

- *LEED leads the way in the Green Building movement*, Heidi Johnson-Wright and Steve Wright, Winter 2004

#### Interiors and Sources,

- *As a Matter of Course*, Bill Reed and Penny Bonda Look to Green Design as the Norm, Diane Wintroub Calmenson, Cover Story, January-February 1997

#### Eco-Structure

- *A Green Education*, The Willow School, Christina Koch, September-October 2005

#### Building Momentum

- *Win, Win, Win – High Performance Buildings can change your bottom line*, Johnson Controls, Spring 2001

#### Amerikaannse toestanden

(The American Approach, Commercial Opportunities for Sustainable Building), Dutch publication, Anke van Hal, 2002

Homasote® Company Training Film: Rethinking Materials in the Context of LEED®

### **Presentations on Sustainable Issues (not complete)**

Plenary presentation at AIA National Convention, 2007, *Regenerative Design*, San Antonio, TX

Presentation and Panel participation on Wind Power in Massachusetts at the State House, June 2006

AIA National Convention, Los Angeles, CA, *Regenerative Design*, June 2006

Yale School of Forestry, Biophilia Symposium, *Regeneration*, May 2006

Plenary address at Gaining Ground, Victoria, BC, *Regeneration*, June 2006

USGBC Arkansas, *Integrative Design and Regenerative Design*, May 2006

Flansburgh Associates, Boston, MA, Green Design, Integrative Design and Regeneration, May 2006

RLPS Architects, Lancaster, PA, Green Design, Integrative Design, and Regeneration,

May 2006

Biohabitats, Inc. Company Workshop on Regeneration, May 2006

Newland Communities Leadership Meeting, *Integrative Design, Cost, and Regeneration*, April 2006

Multi day Presentations on Curriculum, *Integrative Design and Regeneration*, Universidad Iberoamericana, Mexico City, November 2005

Greenbuild, Atlanta, GA, *Shifting Our Collective Mindset and Integrative Design Workshop*, November 2005 with Gail Lindsey and Nadav Malin

Sustainable Funding Network Conference, Cleveland, OH, *Beyond Green*, October 2005

Guest on “Earthworms” with Jean Ponzi, KDHX-FM, St Louis, MO, October 2005

St Louis, MO US Green Building Council and AIA COTE Conference, *Regenerative Design – Moving beyond Sustainability, Keynote address*, October 2005

New England AIA Conference, *Regenerative Design – Moving beyond Sustainability, Keynote address*, October 2005

Boston Architectural Center, *Integrative Design*, July 2005

Expanding Our Approach Conference at Pocantico, Funded by GSA and Rockefeller Brothers Foundation, May 2005. Organized this event with Gail Lindsey, Nadav Malin, Joel Todd, John Boecker.

Denver Green Building Council, *Moving Beyond Sustainability*, April 2005

Social Responsible Investment in the Rockies, Keystone Resort, CO, Keynote Speech with Gil Friend - “*Sustainability*”, *Risk Management, and Fiduciary Responsibility: Why “Less Bad” Isn’t Good Enough and What We Can Do About It*, October 2004

Sustainable Resources 2004, Denver, CO, Keynote Speech: *Regenerative Design*

Democratic National Convention, Delegate Presentation, *Green Design*, Boston 2004

Sasaki Associates, Watertown, MA – Firm-wide Green Education Day, Keynote, *Regenerative Design*, June 2004

Illinois Recycling Association, Rethinking Recycling, Keynote, *Regenerative Design*, June 2004

Florida Atlantic University, Ft Lauderdale, FL, *Thinking Out of the Green Design Box*, May 2004

LEED and Cost, Workshop presented to the Kentucky, NEEDS conference (School districts interested in green design), *Integrated Design* May, 2004

Guest on “A World of Possibilities” with Mark Sommer, NPR program distributed nationwide. January 2004

Teknion, Inc. sponsored speaking tour at the USGBC Chapters in Dallas, Chicago, Washington, DC and San Francisco, *Regenerative Design – moving beyond LEED*, December 2003 and January 2004.

City of Calgary, Alberta, *The Integrated Design Process*, October 2003

Greening of Industry Conference, San Francisco, CA, *Regenerative Design, the next wave of thinking about Sustainability*, October 2003

NAIOP, National Assoc of Industrial and Office Parks Conference, Boston, MA, *LEED and Green Building*, October 2003

Greenbuild, USGBC International Conference, Pittsburgh, PA, *Regenerative Design, Moving beyond Sustainability*, November, 2003

NeoCon, Teknion, Inc., *LEED and Beyond – a perspective for the manufacturing industry*, Chicago, June 2003

Multi-Family Housing Conference, New York City, *Materials and Housing; Integrated Design and the Design Process*, June 2003

Mammoth Caves National Park, Mammoth Caves, KY, *LEED and Integrative Design*, May 2003

Pittsburgh Green Building Alliance Workshop, *Integrative Design and the Cost of Green*, May 2003

Pittsburgh Green Building Alliance Speakers Series, *Regenerative Design*, May 2003

Lincoln Institute, Cambridge, MA, Focus session on *Nature in the Urban Environment*, May 2003

Green Roundtable, Boston, Massachusetts, *Regenerative Design*, May 2003

EnviroExpo, Plenary, Boston, Massachusetts, *Economics and Sustainability*, May 2003

Mannington Industries, *LEED and Beyond – a perspective for the manufacturing industry*, Chattanooga, TN, April 2003

Green to Gold, Boston, MA – *LEED background and in perspective*, April 2003

Cleveland Green Building Coalition, *Regenerative Design*, April 2003

North East Sustainable Energy Association (NESEA) Conference, *Regenerative Design, moving beyond LEED*, March 2003

Alexandria, Virginia School District, *Green Design and Beyond*, January 2003

AIA, EBA, USGBC – New York City Salon, *Regenerative Design, the next wave of thinking*, January 2003

Greenbuild, USGBC International Conference, Austin, TX, *Regenerative Design, Moving beyond Sustainability*, November, 2002

USGBC International Conference, Austin, TX, *Regenerative Design, Moving beyond Sustainability*, November, 2002

Delaware Valley Green Building Council, Philadelphia, PA, *Integrated Design in a Disintegrated World*, October, 2002

New Jersey AIA Conference, Newark, NJ, *Regenerative Design*, October 2002

AIA Cornerstone Conference, Austin, TX, *Integrating LEED into the Manufacturing Sector*, November, 2002

Green Design Association of Pennsylvania, Harrisburg, PA, Plenary Speaker *Integrated Design in a Disintegrated World*, April 2002

EnvironDesign 6, Seattle, WA, *Regenerative Design, Moving beyond Sustainability*, April 2002

EnvironDesign 6, Seattle, WA, *Juror and presenter for the “State of Green Design” submittals in Seattle*, April 2002

Kenishewa Institute, White Plains, NY, *LEED Green Building Rating System*, March 2002

AIA, EBA, USGBC – New York City Salon, *LEED in practice*, January 2001

ConstruCT Connecticut, *LEED, Integrated Design, and Regenerative Thinking*, (multiple presentations), March 2002

American Institute of Architects – Students (AIAS), Pittsburgh, PA, *Integrated Design in a Disintegrated World*, December 2001

Governor’s Green Government Council, Harrisburg, PA, *Making the Connections – Systems Thinking in a World of Specialization*, December 2001

Build Boston Conference, *Integrated Design and Commissioning*, September 2001

AIA National Convention, *Livable Communities and Regenerative Design*, Denver, 2001

North East Sustainable Energy Association (NESEA) Mid Atlantic Meeting, *Panel participant on Cost of Green Building*, June 2001

Federal Greening Summit in Washington, DC, Facilitator of LEED in use by the Federal Government. One hundred representatives from federal agencies gathered to

share the state of their greening efforts and define new directions. February 1998

North East Sustainable Energy Association (NESEA), *Integrated Design* (with Mark Kelley and Mark Rosenbaum), *Integrated Practice* with Barbra Batsholom, March 2001

National Summit on Building Performance, Washington, DC, *Sustainable Communities or Regenerative Communities*, March 2001

New Jersey K- 12 Initiative for High Performance Buildings, *Integrated Design and LEED*, March 2001

New Jersey Higher Education Initiative for Sustainability, *Integrated Design and LEED*, March 2001

Plenary Address, International Energy Association, *Design Tools – Information vs. Understanding and Change*, Maastricht, The Netherlands, October 2000

AIA National Convention, *The Integrated Design Process*, Philadelphia, 2000

ASHRAE Summer Conference 2000, *US Green Building Council Commercial Building Rating System (LEED)*, Minneapolis, May 2000

Town of Waltham, Massachusetts, *Green School Design, impact on budget and curriculum*, February, 2000

Cost of Green Buildings Conference, University of British Columbia, Vancouver, BC, *The Integrated Design Process*, November, 1999

USGBC Membership Summit, Wintergreen, VA, *The Integrated Design Process*, August 1999

AIA Mainstreaming Green Conference, Chattanooga, TN, *The Integrated Design Process*, 1999

US Green Building Council Commercial Building Rating System (LEED) at the North Carolina AIA Conference, Asheville, NC July 1999

AIA National Convention, Dallas, *The Integrated Design Process*, 1999

Construction Specifications Institute, Coral Gables, FL, *Green Buildings and the Integrated Design Process*, May 1999

*US Green Building Council's LEED™ Rating System Training Workshop*, Pittsburgh, PA, May 1999

National Glass Association Conference, Atlanta, Georgia, *The Future of Glass in Architecture, an Environmental Perspective*, April 1999

Panelist at the USGBC Federal Greening Summit in Washington, DC. April 1999

Keynote Address, AIA/CSI Symposium on Sustainable Design, National Building

Museum, Washington, DC, March 1999

Greenprints Conference, Atlanta, Georgia, *US Green Building Council Commercial Building Rating System (LEED)*, February 1999

ASHRAE Winter Conference 1999, Chicago, *US Green Building Council Commercial Building Rating System (LEED)*

Construction Specifications 1998 Conference, “Greenworld,” Baltimore, MD, *US Green Building Council Commercial Building Rating System (LEED)*

ASES 1998 Conference, June 1998, Albuquerque, NM, *US Green Building Council Commercial Building Rating System (LEED)*

EnviroDesign 2 in Monterey, CA, May 1998, *Recent work*

SE Sustainability Conference, *Whole Systems Thinking and Process*, Keynote Address and *The Spirit and Sustainability*, panel session, March 1998

Co-Facilitator for the USGBC Federal Greening Summit in Washington, DC. One hundred representatives from federal agencies gathered to share the state of their greening efforts and define new directions. February 1998

“Changing Design and Construction Practices,” Address to NYC’s Dept. of Design and Construction, February 1998

Workshop Co-Presenter, LEED Rating System, AIA / USGBC Green Building Conference, Miami, Florida, Nov. 1997

City of Austin Green Builder’s Conference, *Whole Systems Thinking and Process*, Keynote Address November 1997

Organizer and Moderator at the first “Community Habitat Forum” for the National Wildlife Federation, Vienna, Virginia. July 1997.

Presentation: “The Need for Green Standards and Rating Systems.” At the EPA Conference on Greening Federal Purchasing, Baltimore, MD. July 1997

Third International Green Building Conference and Exposition, San Diego, CA, *US Green Building Council Commercial Building Rating System*, November 1996

Innovative Technologies Conference, International Facilities Management Association, Anaheim, CA, *Integrated Thinking*, 1996

Keynote Address - City of Boston Sustainability Conference, *Green Buildings and Beyond*, May 1996

The Earth Steward’s Tool Kit Conference, Medway Environmental Trust, Charleston, SC, *Green Building: From theory to Practice*, April 1996

Indoor Environment Conference, Baltimore, MD, *An Overview of Green Building*

*Issues*, April 1996

Keynote address - Mid-Atlantic Sustainability Conference, Washington, DC, *Why Build Sustainably*, March 1996

Mid-Atlantic Sustainability Conference, Washington, DC, *Site Planning Issues at Sunnyslope Hamlet*, March 1996

Panelist, Office of the Mayor of the City of New York and Columbia University's Green Building Guidelines Workshop, April 1996

New York City Commissioner of Building's Office, *Beyond Green Buildings*, March 1996

Southeast Sustainability Conference, Research Triangle, NC, *Site Planning Issues at Sunnyslope Hamlet*, November 1995

Panelist, *Indoor Air Quality Roundtable*, Building Office & Management Association, February 1995

World Workplace, Miami, FL, *The Power of Integration in High Performance Buildings*, September 1995

Panelist, Local Sustainability Initiatives, CSRI Environmental Film Presentation

Presentation for MNCPPC's Annual lecture series. "Construction Sustainability", Maryland National Capital Parks & Planning Commission.

Panelist, "Community Sustainability Across America Conference," Architects, Designers and Planners for Social Responsibility, National Building Museum, November 1994.

National Building Museum, Suburban Opportunities for Sustainable Practices, September 1994.

Trainer, Passive Solar Industries Council, Building Guidelines

Maryland National Capital Parks and Planning Commission, Montgomery County and Prince George's County Elected Officials, *Sustainable Planning Principles*, September 1994.

Department of Energy, *Sustainable Buildings Partnership*, August 1994.

Renewable Energy in the Americas Conference, Dorado, Puerto Rico, *Passive Design Strategies*, June 1994

Appeared as single guest for Montgomery County's TV show, *Issues and Answers* for a one-hour discussion on Community Sustainability.

## **Environmental/Civic Activism**

U.S. Green Building Council.  
Former Board Member, Three terms to term limit, 1994-2000  
Co-chair LEED Green Building Rating System development.

State of Maryland Green Building Council, Governor's Task Force, 2001-2006

A.S.T.M. E50.06.02 Residential Green Building Standards. Co-Chair and editor of site planning/land-use issues section.

US Team of the Green Building Challenge '98. This is an international effort to develop new standards and case study evaluations for advanced environmental building.

Council Member and Deputy Mayor, Town of Chevy Chase, Maryland, 1989-1997

Founder of the Metropolitan Sustainability Group. An interdisciplinary association of design professionals interested and involved in community sustainability issues.

Advisory Board Member  
Virginia Housing and the Environment Network. Arlington, VA

Advisory Board Member  
Green Home / DC Habitat for Humanity. Washington, DC

## **GREEN PROJECTS AND CONSULTING**

### **SCHOOLS / COLLEGES / UNIVERSITIES**

Princeton University Green Guideline Development with KieranTimberlake Architects, October 2004

Middlebury College Dormitory and Student Center Competition – winning submittals with CBT architects - Green design was considered mandatory for this work, 2004 - 2005

University of Rhode Island, Green Design Master Plan plus Dormitories, Lab, Student Center integration - representing the campus and two of the architecture firms designing these projects, 2003 - 2005(?)

The Willow School – phase 2, Bedminster, NJ. K-8 private school. Advanced regenerative design and curriculum development consulting to integrate the activities of the school with the watershed, community, and parents, 2004 - 2005

Sidwell Friends School, Washington, DC and Bethesda, MD. LEED and more advanced green design for multiple buildings and related master plan, curriculum development and fund raising consulting, 2004 - 2005

St Mary's College Boathouse, St Mary's City, MD, LEED and Energy consulting for a

new boathouse and classroom building on the St Mary's River. 2002 - 2003

Grinnell College Campus Center, Grinnell, IA, Integrated Design Charrette and Consulting, January 2003

Clark University, Worcester, MA, Biological Lab Sciences Building, Integrated Design Consulting, 2002 – 2003, **LEED GOLD PENDING**

Eastern Connecticut State University Lab Sciences Building, Integrated Design Consulting, 2002

The Willow School, Bedminster, NJ. K-8 private school. Green consulting for treatment wetlands, soil regeneration, green building techniques, and integration of environmental thinking within the school's curriculum, 2001 – 2003, **LEED GOLD CERTIFIED**

The Londonderry School, Harrisburg, PA, consultant to the school with Murray Architects, K-12 Private school seeking LEED certification 2001 – 2004

York School System, York, PA. Facilitator for a workshop introducing environmental design concepts to the design team and school system officials. August 2000

Ex'pression Center for New Media, Emeryville, CA. Environmental audit and recommendations for systematic improvement of the environmental performance of this 60,000 sf media education and training college. August 2000

Flansburgh Associates and Town of Waltham School District. Facilitation of the new Middle School Green Building Design Charrette, February 2000

Kelowna, British Columbia School District. Presentation on Green School Design Issues and Facilitation of the green building issues for the Kelowna Secondary School, January 2000

Stockton State Center for Marine and Environmental Science, 25,000 sf environmental science laboratory and demonstration project, Port Republic, NJ. Greening consultant.

## **PLANNING / MIXED USE**

Newland Communities, Regenerative Land Use Planning and Development, Consulting on company wide initiative, 2006

National Zoological Park, Master Planning Charrette Facilitation, March and May 2006

Town of Southampton, Master Plan Charrette, Town Facilities and Town Center, July 2005.

Loreto Bay Master Plan, Loreto, BCS, Mexico. A 6,000 unit resort town with regenerative planning to revitalize the water and healthy diversity of the ecosystem that had devolved into a drylands over the last 300 years. 2004 thru 2014

West Palm Beach, FL – Waterfront Plan with CH2MHill, Thompson Associates, and Michael Singer, July 2004- 2005.

Ft. Lauderdale, FL, a new 300 unit workforce housing development in the African American Community North East of the downtown. We facilitated a three day design charrette, commissioned by the Broward County Design Collaborative, to understand community concerns and align these concerns with an environmental design framework, May 2004

Sunrise Valley, St. George, UT, 350 unit workforce housing – design process using a deep understanding of the land and community to catalyze a regenerative process leading to greater community health, 2004 - 2005

Town of Chevy Chase, MD, Analysis and recommendations for zoning redesign from the pressure of “mansionization,” 2002 - 2003

Willow Springs, Arizona. Regenerative Design consulting with the Regensis Group. This is a proposed 100,000-person new town to be located in a degraded desert area near Tucson. Work consists of developing a design strategy with the community to embrace cultural and natural system health. 2001 and on.

Lakewood Center, Denver, Colorado. Green Design Process Consulting for a new 5,000,000 sf mixed use commercial center to function as a new urban core for this suburban area of Denver, 2001

St Mary’s County, MD. Partner with the County Commissioners to design a program and funding solicitation for a two million dollar effort to analyze the environmental carrying capacity of this peninsula on the Chesapeake Bay. This research will be translated into new land use patterns for the various communities. New zoning principles and building codes are anticipated to result from this effort as well as indicators (metrics and benchmarks) for self-assessment in the future. 1999-2005

Sunnyslope Hamlet, master plan for a thirty home hamlet in Loudoun County. This includes the development of community sustainability guidelines and town, architectural, landscape and energy codes for the houses

Feasibility Study for 50-acre Wellness Retreat Center including radical restoration of the local environment within its proposed boundaries

## **PARKS / ECOLOGICAL CENTERS**

Massachusetts Audubon Wildlife Center, Wellfleet, MA, Integrative Design Process and LEED facilitation, 2004-2006

Charlestown Navy Yard, National Park Service, Green Design Workshop, March 2002

The National Aquarium in Baltimore, Animal Care Facility, Advanced brownfield remediation and green building consulting resulting in the treatment of the existing toxins and upstream pollution on top of and around the building through phyto-remediation., with HCM architects 2001 - 2002

The National Aquarium, Baltimore, MD. Green design consultant and design integration facilitator for the expansion and renovation of the facility by Cambridge Seven. October 2000

Hamilton Stores, Inc, Yellowstone National Park. Environmental assessment and recommendations for meeting the NPS guidelines for concessionaires. September 2000

Gateway National Recreation Area., NYC, Northeast Region, National Park Service. Energy Consulting and Environmental Material selection for the 40,000 sf Ryan Visitor's Center, Floyd Bennet Field, February 2000

Fort Baker, Golden Gate National Parks Association, San Francisco. Development of RFP criteria and charrette facilitation for determining green design standards. The Park is to be redesigned to function as a conference center. 1999

Assateague National Seashore. Sustainability Guidelines development for the Park's leadership and design staff. This is now being used as a national model. 1999

Gateway National Recreation Area. Facilitation of environmental goals and technical recommendations for greening of the park. 1999

New York City Aquarium, High Performance Building Design Consultant, 1999

New York City Hall of Science, High Performance Building Design Consultant, 1999

Brooklyn Children's Museum, High Performance Building Design Consultant, 1999

Queens Botanical Garden, High Performance Building Design Consultant, 1999

Northeast Region of the National Park Service. Process and Strategy Development for reaching defined Sustainability Targets. Acadia National Park, Statue of Liberty, Ft. McHenry, Gateway National Recreation Area. 1998-1999

Chesapeake Bay Foundation, new 30,000 sf headquarters' building. Green Systems and design peer review. 1998

Consultant to Denali National Park, Alaska: development of sustainable design guidelines and planning concepts for the proposed next phase, September, 1998.

Consultant to Steamtown National Historic Site, Scranton, PA: development of sustainable design options and budgets for the Site, May, 1998.

Burnet Park Zoo, Syracuse, NY. Education and Interpretive Center. 20,000 sf new addition and renovated structure designed to meet the LEED rating system Silver rating. 1997-1998

## **CORPORATE**

AMD, Research Headquarters, Integrative Design Process management and Master

Plan consulting for a new 850,000 sf multi-building facility , 2005 thru 2006.  
SEEKING LEED GOLD or PLATINUM

Seventh Generation, Burlington, VT, Headquarters and beyond, Coaching and guiding the company to embrace a regenerative design, product, and ethos. 2005 LEED GOLD CERTIFICATION PENDING by William Maclay Architects

Russia Wharf Office Tower and Hotel, Boston, MA LEED consulting for a new 300,000 sf office building, 2004 – 2005

Sara Lee Apparel Corporate Headquarters, Winston-Salem, NC, LEED consulting with Thomas Phifer and Partners, NYC, 2003 – 2005

Home Depot, various, Green Design/LEED charrette facilitation, Massachusetts, 2002 - 2003

National Association of Realtors Headquarters, Washington, DC, LEED consulting for a new 95,000 sf office building, 2002 - 2003

Navy Federal Credit Union, Pensacola, FL, LEED consulting for a new 80,000 sf Call Center, 2002 – 2003, **LEED GOLD CERTIFIED**

Revenue Canada Building, Vancouver. May 2002. Charrette facilitation.

Tower II, 275,000 sf speculative office building, Rockville, MD. Advanced green building technologies including permaculture techniques and Sthapatya Veda were incorporated in the design of the site and building organization. 2002

Primex, Inc., Concord, NH, Corporate headquarters, 2001 – 2006  
**LEED SILVER CERTIFIED**

Genzyme Corporation Headquarters, Boston, MA. LEED green building consulting, 2001 -2004, **LEED PLATINUM CERTIFIED**

The Tower Companies, Bethesda, MD, Green Consulting for a number of this development company's existing and new buildings, 2001

PG&E National Energy Group, Bethesda, MD, Green consulting for their new 450,000 sf headquarters.

Sabre Corporation, Dallas, Texas. Follow-up review workshop to resolve LEED green building rating system criteria for the greening of Sabre's new 2,000,000 sf corporate campus. September 2000,

Sundance Cinemas, Los Angeles, CA. Review of construction issues and maintenance procedures to address indoor air quality concerns in a new theater prototype. 2000

Sabre Corporation and CRSS Constructors, Dallas. Consultant for the greening of Sabre's new 2,000,000 sf corporate campus. 1999, **LEED SILVER CERTIFIED**

Chesapeake Bay Foundation Headquarters, Annapolis, MD, Peer Reviewer and coach

for realizing the integrative design process. We introduced LEED to the design team and client and assisted them (with Ensar Group) to create a more cost optimized design. 1998, **LEED PLATINUM CERTIFIED**

## **INSTITUTIONAL**

Cambridge Police Department, Cambridge, MA, Green Design Consulting, 2005-2007

American Cancer Society Hope Lodge, Boston, MA, LEED and Integrative Design Consulting, 2005 thru 2006.

Western Massachusetts Food Bank, Green Design Charrette, 2004

GSA National Headquarters, Washington, DC, LEED Consulting, 2003

GSA Regional Headquarters, Washington, DC, LEED Consulting, 2003

Federal Office Building 8, Washington, DC, General Green and LEED Consulting, 2003.

Lawrence Livermore National Laboratories, Livermore, CA, Green Design Training and consulting about the integrated design process, 2002

Maryland Department of Transportation Headquarters, Green design consultant to turn a previously designed, speculative office building into a LEED Gold rated building, 2001-2003 **LEED GOLD CERTIFIED**

Department of Agriculture Headquarters, Washington, DC. Green consulting with Shalom Baranes Architects for the third largest building in the country. 2001

International Monetary Fund, Washington, DC. Green design criteria and integrated design process guidance for the new 650,000 sf headquarters building. July 2000

Pittsburgh Convention Center. Co-facilitator of the Integration Process and Green Architecture Reviewer for the design by Rafael Vinoly, Green Building Alliance, March 2000, **LEED GOLD CERTIFIED**

NYC Department of Design and Construction, Seabury Child Care Center, High Performance Building Design Facilitation, March 2000

New York City Office of Management and Budget / US Cost. Consultant for the environmental issues in the Value Engineering Charrette for the Staten Island Ferry, St. George Terminal, February 2000

The Department of the Interior Building Renovation, Greening consultant for the \$120,000,000 renovation of this historic headquarters, Washington, DC. 2000

Worcester County Municipal Building, Snow Hill, MD. Greening Consultant to the Design Team and County Commissioners, 1999-2000

New York City, Dept. of Design and Construction, 1998-1999  
Consultant through a Senior Fellowship from the Design Trust for Public Space for the development of High Performance Building Guidelines for New York City

New York City OMB and US Cost. Consultant for the environmental issues in the Value Engineering Charrette for the Staten Island Ferry Terminal, February 1998

Denver Courthouse Expansion, Denver, CO. Retained by the General Services Administration to serve as consultant for first GSA green building standards development

National Zoo, Washington, DC. Charrette for water exhibit with James Wines, Ocean Arks and Living Technologies, 1997

## **HOUSING**

Vancouver Southeast Falls Creek Housing and Olympic Housing, Facilitation of the Integrative Design Process, 2006

North Point, Cambridge, MA, Integrated Design and LEED consultant for Phase 1, 300 units in two buildings and the Marketing Pavilion, June 2004 - 2005

Gloucester Housing, Boston Society of Architects Density Competition, Winner with Fox and Fowle Architects, NYC, 2003

The Residences for the Sisters of St Joseph, Boston, MA, Green design consulting for a 150,000 sf apartment building renovation, 2002 - 2003

Maverick Gardens, Boston, MA, green design charrette facilitation and consulting for the Boston Housing Authority and Massachusetts Technology Collaborative, 2002 - 2003

Water's Edge, Worcester County, MD, Environmental consulting - focusing on water quality issues and coastal bay habitat restoration in conjunction with a New Urbanist Community Plan, 2002 - 2003

Blair Park Apartments, 79 units. Low Rise and Mid Rise Apartments and Townhomes. Green Design Program Manager. The purpose of this work is to manage the members of the design, construction and development team to realize the most effective and cost beneficial building. 2001-2004, **LEED CERTIFIED**

The Landings, Berlin, MD. 350 unit housing project on the inland side of the Bay across from Assateague National Seashore. Designed to offer minimal environmental impact and a level of regenerative design. October 2000.

Green Design Consultant, Donald Zucker Company, New York City. Development of advanced green strategies and cost justification for a 240 unit apartment building for the Battery City Park Authority, March 2000

Fox Haven Retreat Center. Architectural Design and Green Consulting for a privately

funded 500-acre land restoration project and environmental education center. 1998-2001

Cambridge Park Place Apartments, 311 units. High-rise building. Green Design Program Manager to Oaktree Green Development Corporation and Abbott Investments, LLC. The purpose of this work is to manage the members of the design, construction and development team to realize the most effective and cost beneficial building. 1999-2001

Jupiter Partnership. Six Assisted Living Care Buildings. LEED™ technical consultant to Housing and Building Technology, Herndon, VA. 1999

Green Systems and design peer reviewer for the University of California Washington Center, Dormitory, Offices and Conference Center, 1999

Consultant to Oaktree Development, Cambridge, MA to facilitate and train the investment, design and construction team in whole-system design with the focus on greening three large scale housing projects. 1998-1999

Stapleton Redevelopment Association. Effort to turn the former Denver airport into a sustainable community. Advisor for the process and programming phase of master planning effort.

## **INDUSTRIAL**

Trans Gas Energy Facility, Brooklyn, NY, Green design and urban agriculture “skin” on a 1,500 MW combined cycle facility, 2002-2003

PG&E National Energy Group’s Athens NY Power Plant, Green Design and Process Consulting, March 2001

AES, Londonderry, NH. Design Consultant and Program Manager with Michael Singer, Inc to ‘green’ a new 720 MW co-generation power plant, help it reduce costs and develop synergies for the new Eco-Industrial Park where it is to be located. \$3,000,000 in net present savings realized by demonstrating the effectiveness of natural water treatment technologies for the generation process. 1999-2000

Husky Injection Molding. Invited competition for an environmental approach to the development of 4,000,000 sf of manufacturing and office space in Milton, Vermont

## **GENERAL**

Chair of the Integrated Design Process Steering Committee, An International Standards development to create guidelines for the common aspects of managing and participating in the Integrated Design Process. Under the auspices of Market Transformation to Sustainability, Washington, DC, 2005 - 2007

USGBC, LEED 3.0 Design process participant, June 2006

Advisor to the Gaining Ground Conference, Victoria, BC, 2005 – 2006

Environmental Knowledge Base. One of the expert review consultants for the second version of this interactive green strategy tool funded by DOE, CREST, Environmental Building News and NYSERDA. 2000

Consultant to the British Columbia Building Corporation, Victoria, BC to advise this Crown Corporation and present the process of integrated design to Project Managers. 1999-2000

Environmental Knowledge Base. Consultant. This is a systems approach analyzing the multitude of issues of environmental design through whole systems analysis.

New York City, Dept. of Design and Construction, 1998-1999  
Consultant through a Senior Fellowship from the Design Trust for Public Space for the development of High Performance Building Guidelines for New York City

LEED Green Building Rating System implementation. Consultant to the US Green Building Council and the Department of Energy for the evaluation and development of the business plan, the marketing plan and the training process.

LEED 1.0 and 2.0 Development, co-chair of Technical Committee, 1994 - 2003.

Consultant to Husky Injection Molding, Toronto, Ontario. Hired by this billion dollar corporation to perform an overall environmental audit, education and recommendations for reducing Husky's environmental footprint throughout the world.

Consultant to the Passive Solar Industries Council and US Navy Facilities Engineering Command. Condensing the Navy's energy and environmental guidelines into a "Whole Systems Building Design Guideline."

National Wildlife Federation, Vienna, Virginia. July 1997.  
Organized their first "Community Habitat Forum."

International Children's Care. Master planning, building design and energy consulting for two orphanage communities in the Dominican Republic and Baja, Mexico

**END**