



USEPA's  
**Faster...Cheaper...Greener**  
Webcast Series

21st Century Innovation and Design for the Triple Bottom Line

“Connecting Natural and Built Systems for  
Economic Growth & Resiliency”



Wednesday, October 21, 2015, 1 ½ Hour Webcast

Eastern: 1:00 p.m. – 2:30 p.m.

Central: 12:00 p.m. – 1:30 p.m.

Mountain: 11:00 a.m. – 12:30 p.m.

Pacific: 10:00 a.m. – 11:30 a.m.

This is the first in the Series of 3 Webcasts exploring new water centric strategies, designs, technologies and applications inspired by nature, to create solutions for a prosperous planet. Bioinspired Innovations, many pertaining to significant water-related issues such as quality, quantity, and scarcity, are increasing revenues, mitigating risk, reducing costs, improving health, and supporting the development of a regenerative and resilient society. These exciting innovations are highlighted in Terrapin Bright Green’s recently published reports - *Tapping into Nature: The Future of Energy, Innovation, and Business* and *14 Patterns of Biophilic Design: Improving Health and Well-Being in the Built Environment*.



## Ecological Built Environments

This webcast will feature an effective toolkit for bringing principles from the ecological sciences to the evaluation of built and managed space. The Framework for the Ecological Built Environment (“Phoebe Framework”) is unique among built environment analytical tools in that it celebrates open-loop, systems thinking that is transboundary, interconnected, dynamic, and process driven. With a focus on water resources, the presentation will illustrate principles of the framework using a number of case studies, including a feature presentation of highlights from the 82 acre Greenbelt, MD Mixed-Use Re-Development Next Generation Visioning Charrette, through the input of global experts on green infrastructure, regenerative ecosystems, integrated transportation planning, energy efficiency and renewable energy, and community engagement and education. This webcast is targeted at professionals interested in interdisciplinary collaborations between the environmental sciences and designers and developers of the built environment.

***There will be 1.5 Professional Development Hours (PDHs) offered for this webcast – the certificate will be sent via email after the event. Please check with your state accreditation agency to determine if you qualify. Questions about PDHs should be sent to [webcasts@wef.org](mailto:webcasts@wef.org)***

### **Moderator**

**Dominique Lueckenhoff, Deputy Director, EPA Region 3, Water Protection Division**

Dominique Lueckenhoff has over 20 years of diverse programmatic and geographic experience with US EPA. She currently serves as Deputy Director of the EPA Region 3 Water Protection Division. In this capacity, she supports and shares with the Division Director in the administration and management of all division activities, and water protection and state grant programs for the Mid-Atlantic. She also serves as EPA’s management point of contact on the Green Infrastructure (GI) and Urban Waters/Federal Partnership Initiatives in the Mid-Atlantic,

in addition to participating in a number of related internal and external national and regional work groups. Her leadership has helped to garner national recognition for Region 3's GI activities - a number of which have been recognized as EPA Office of Water (OW) Best Management Practices. In 2013, she received the National USEPA James W. Craig Pollution Prevention Leadership Award for efforts related to alternative financing and innovative, Public Private Partnerships. In 2015, her work on Community-Based Public Private Partnerships was highlighted by the White House and EPA's National Center for Finance and Resiliency. Her leadership in advancing innovative, collaborative approaches and green practices to achieve sustainability is highlighted by her vision and creation of the Green Communities Program over 18 years ago, the nationally acclaimed Green Highways Partnership, and more recently, development and implementation of the Chesapeake Bay Green Streets, Green Jobs, Green Towns (G3) Initiative and Partnership. Due to her success with the G3 partnership, she received an EPA National Honor Award for Outstanding Leadership in Collaborative Problem-Solving.

### **Instructors**

#### **Chris Starkey, Sr. Project Manager, Terrapin Bright Green**

Chris is a senior project manager and researcher at Terrapin. He is a multi-disciplinary combining the skills of an architect with diverse knowledge from the environmental sciences. He has taught at the Boston Architectural College, the Yale School of Architecture, and the Cooper Union where he focuses on sustainable and ecosystem-based design. Chris received his Bachelor of Architecture from Rice University and Master in Architecture and Environmental Management from Yale University. He coauthored Terrapin's paper "Knowledge from Data in the Built Environment" in the 2013 *Annals of the New York Academy of Science*.

#### **Garth E. Beall, Manager, Renard Development Co LLC**

Mr. Beall is the Manager of Renard Development Company, LLC, the developer of Greenbelt Station, a planned 4 million square foot Mixed Use Transit-Oriented Development located in Greenbelt, Maryland. Mr. Beall is also a principal with the firm of McNamee, Hosea, Jernigan, Kim, Greenan & Lynch, P.A., a local, mid-sized law firm with offices in Greenbelt and Annapolis, Maryland, a Manager and Co-Founder of Urban Bar-B-Que Systems and Vice Chairman of Ledo Pizza System, Inc., a 100 plus unit franchise system which Mr. Beall's family founded and is headquartered in Annapolis, Maryland. Mr. Beall is a graduate of Boston College (B.A., 1994) and the University of Maryland School of Law (J.D. 1994), and a lifelong resident of the State of Maryland.

#### **Jonce Walker, Sr. Project Manager, Terrapin Bright Green**

Jonce, a LEED AP and a Certified Sustainable Building Advisor, is an urban planner and senior project manager at Terrapin specializing in large scale sustainability interventions. His background includes sustainability policy, green building, and transit oriented development. Since joining Terrapin, he has served as project manager for resilient food hubs, large scale biophilic design reviews, energy master plans and climate positive community projects. Jonce is a three time winner of the *National Association of Counties Achievement Award* for his sustainability leadership during his role as Maricopa County Sustainability Manager.

### **Registration:**

<http://mp118885.cdn.mediaplatform.com/118885/ml/mp/4000/5345/5417/52530/Lobby/default.htm>

### **Questions?**

Please contact Stefanie Gera at [Stefanie.Gera@tetrattech.com](mailto:Stefanie.Gera@tetrattech.com)