

# Green Building Training, St. Thomas

June 10-11, 2014

## Agenda

### Tuesday, June 10, 2014

*Sugar Bay Resort*

- 8:00**            **Registration**—*coffee/tea/light breakfast*
- 8:30-9:00**       **Welcome and Introductions**—JP Oriol, Director CZM  
*Set tone for day's discussions by describing the importance of "green" building to the USVI  
Turn over to Anne and/or Marlon for discussion of day's agenda and for icebreaker.*
- 9:00-9:45**       **Overview of Green Building in the USVI**—Doug White, Architect and IGLA  
*What is "green building" from passive design, energy, water, landscaping, and construction perspective?  
Describe IGLA's residential and villa green certification program. What are some local resources are  
available for designers, builders, and agencies?*
- Break*
- 10:00- 10:45**    **Nuts and Bolts: The Cost of Green Building**—Tracy Roberts and Mike de Haas, Springline  
Architects. *Does going green have to cost more than conventional design? Springline will show the cost  
of their LEED-Platinum office building and discuss key decisions made during the design and construction  
process.*
- 10:45-11:30**    **Green Landscaping Draws from Nature** – Dr. Gary Ray, Restoration Ecologist  
*Natural communities are the highest ideal for landscaping. We maximize preservation and use native  
plants to rebuild natural landscapes and to feature charismatic specimens in the garden. Dr. Ray will  
highlight natural communities, ornamental native plant selection, and discuss ways to protect the sea  
from the subdivision, and the site from its new "footprint."*
- Lunch*            *On Your Own*
- 1:00-2:00**       **Energy Efficient Buildings: Building Envelopes and Alternative Energy System Installations** —  
Theresa Sanders (VI Energy Office) and Leonard Farrante (DPNR-Building Permits) *Theresa will  
review existing building stock, identify problem areas, and discuss options for improving energy efficiency  
by reducing solar heat gain, installing insulation and improving occupant comfort. Mr. Farrante will  
explore common issues to avoid when installing PV and other alternative energy systems.*
- 2:00-3:00**       **Green Construction**—Ben Keularts (DPNR-Environmental Protection) and Dr. Nadine Noorhasan  
(VIWMA) *Discuss best practices to apply during critical phases of construction (e.g. clear/grading, ESC,  
final stabilization, and conversion to permanent stormwater management). Discuss techniques for waste  
minimization, material reuse, and proper disposal.*
- 3:00-4:15**       **Leading by Example: Public Sector Opportunities to go Green**—Sean Krigger, Director SHPO.  
*Group exercise to brainstorm opportunities to incorporate green building techniques in an actual  
redevelopment project.*
- 4:15-4:30**       **Wrap Up**

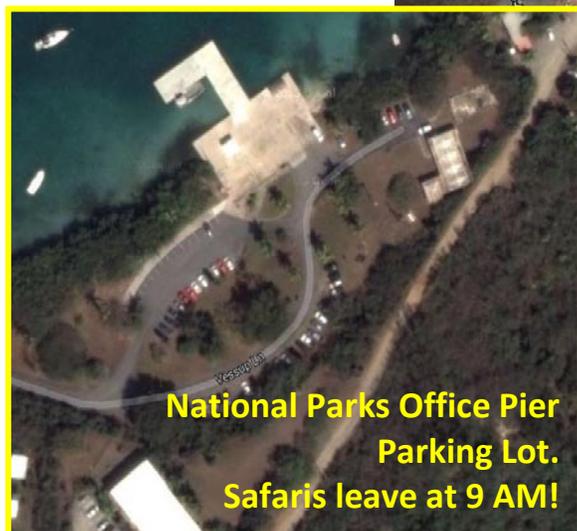
**Wednesday, June 11, 2014**

**Green Building Field Trip** (around Smith Bay/Redhook, St. Thomas East End areas).

- 8:30 AM** Meet at National Parks Pier Parking Lot, Vessup Bay/Nazareth. See Site Map
- 9:00 AM** Load safaris and depart
- 9:00-11:45** Site Tours (three sites)
- 12:00** Return to Parking Lot

**Springline Architects**-Tracy Roberts and Mike de Haas  
Tour LEED-Platinum office building with designers and owners. Discuss passive design features, LEED program, PV system, stormwater, lighting, fun quirks and material reuse, etc. Reiterate some of the cost/decision making steps, quality of work environment, and why they went this route.

**Lindquist Beach** Tour Magen's Bay Authority construction site to evaluate erosion and sediment control and "green" design features (e.g., permeable pavers) associated with planned visitor amenity improvements.



**Montessori School**- Michael Bornn. Tour "green" features of school including rainwater harvesting and one of the islands first solar energy systems, which provides over 90% of school's electric needs. This site collects, reuses, and infiltrates stormwater runoff from the property and surrounding neighborhood roads. Over the last three years, there has been no observed runoff leaving the site. Discuss design and construction lessons learned.