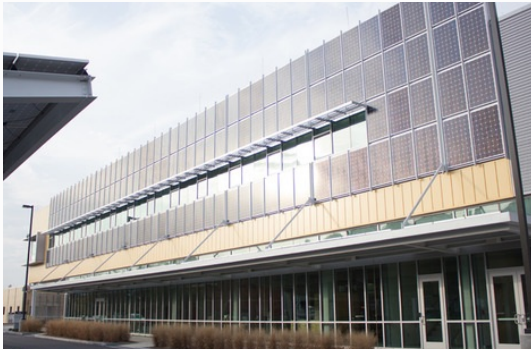


Sustainable Design-Green Building

by TidewaterCurrent

News and information on sustainable endeavors relating to building and relevant to readers in Coastal Virginia.

⊕ Part of Architecture



CNES Laboratory gets Platinum

niq



TidewaterCurrent Georgia Tech's Carbon Neutral Energy Solution Laboratory.

January 21, 2013



Adapting the Built Environment for Sea Level Rise - Tidewater Current

tidewatercurrent



TidewaterCurrent Amphibious and floating homes could become more widespread in the future.

January 20, 2013



As good and important as it is, LEED can be so embarrassing

switchboard.nrdc



TidewaterCurrent Good read on the LEED rating system and how the system can be "gamed." Should a dessert home three times the size of the average home with water features in an outlying new development, albeit designed with numerous green elements, qualify for a LEED Platinum rating????

January 20, 2013



USGBC Recognizes Virginia Beach as the Best School District - Tidewater Current | Winter 2013

tidewatercurrent



TidewaterCurrent "the School System is setting an important example to students and residents alike through its green building program. And in doing so, they have won national recognition from the United States Green Building Council."

January 22, 2013



Island Retreat By Fearon Hay Architects In Waiheke Island, New Zealand

yatzer



TidewaterCurrent Sustainability is ensured through solar panels, combined with rainwater harvesting systems as well as other design solutions, which all provide the owners the opportunity to reduce their need and demand for external resources as much as possible

January 19, 2013



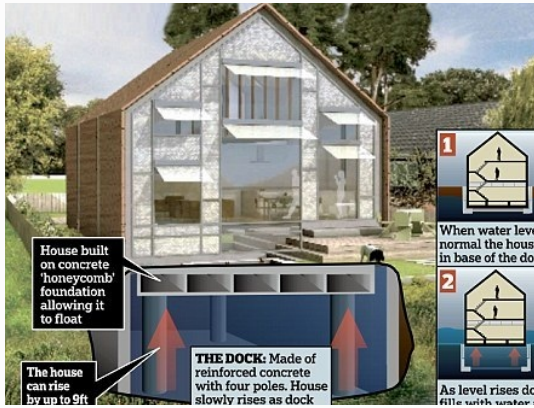
Live in a lighthouse on Chesapeake Bay

nbcnews



TidewaterCurrent This is a fixer upper on sale for \$249,000, should be a green renovation.

January 17, 2013



Introducing Britain's first amphibious house that rises with water to escape a flood

dailymail.co.uk



TidewaterCurrent Floating home being built on the Thames that can withstand recurrent flooding. "When the river bursts its banks – an event expected once in every 20 years – the water pressure will unlock the home from the dock and allow it to float up to the water level." More floating architecture here: <http://tidewatercurrent.com/fall2012/features.html#adapting>
January 19, 2013



College Students Build Solar Garage

solarnovus



TidewaterCurrent "Students at Green Mountain College in Vermont, US, have completed a solar-powered garage that demonstrates an integrative design to optimize the performance of electric vehicles in cold weather climates."
January 16, 2013



New Star Island: A Green Architectural Paradise

designbuildsource.com.au



TidewaterCurrent Residents of the Maldives are looking to reshape their future as climate refugees into that of climate innovators. A floating eco development is being planned. Dutch architects came up with the design that will also be constructed by Dutch engineers.
January 19, 2013



An affordable housing enclave that fits in, strengthens a neighborhood, and protects the environment

switchboard.nrdc



TidewaterCurrent Little Rock “pocket neighborhood” concept championed by architect Ross Chapin – reducing the footprint of a group of smaller, single-family homes by sharing gardens and amenities that would occupy more land if duplicated for each individual house" wins American Institute of Architects National Honor Award.

January 17, 2013



Seadrift Residence is a Zero-Energy Home With Natural, Stylish Features

jetsongreen



TidewaterCurrent The center of this San Francisco home is a rotating fire orb that distributes heat in all directions. The "environmental benefits of this home include the photovoltaic roof that provides solar energy, smart heating technology that reduces energy consumption, efficient lighting fixtures that are still aesthetically pleasing, and an innovative low-flow water management system. All of these features turn the Seadrift Residence into a zero-energy home that does not sacrifice the environment for style."

January 18, 2013



American Rivers | American Rivers Releases Guide To Integrate Green Infrastructure Into Stormwater Permits

americanrivers



TidewaterCurrent Guide created on green infrastructure to reduce polluted runoff. "Technologies such as gutters, culverts, ditches, and large detention basins that collect huge volumes of stormwater and convey it rapidly, with little pollutant removal, to nearby streams, rivers and lakes are often the favored approaches. However, as the National Research Council has documented, a better approach is often to keep rainfall where it falls, before it has a chance to accumulate, pick up pollutants and flow into the closest storm drain." Downloadable link for the guide is included.

January 17, 2013



PORTABLE CONTAINER HOLIDAY HOME

blessthisstuff



TidewaterCurrent

January 15, 2013



Zero Energy Buildings – To Retrofit or Start Fresh?

designbuildsource.com.au



TidewaterCurrent "Four notable net-zero energy buildings can be used as models and proof that older buildings can achieve zero energy status."

January 15, 2013



Guest Post: Dancing Rabbit Community Building

greenbuildingelements



TidewaterCurrent Missouri - Eco village building to be built to LEED Platinum and Living Building Challenge. The building will be a net energy producer. Video included on the project and the eco-village. January 15, 2013



US Government Seeing Big Savings From Green Buildings

greentechmedia



TidewaterCurrent " The U.S. Treasury building has obtained a green environmental designation, probably the oldest federal building to earn one. It has reduced its operating costs by \$3.5 million annually as a result...GSA's sustainably designed buildings use less energy and water, emit less CO2, cost less to maintain, and have occupants who are more satisfied than those working in typical buildings," the study said. "In short, the GSA's 12-year commitment to green building practices is paying off." January 16, 2013



Active House Planners Consider Orientation, Design, and Site Preparation

ecohomemagazine



TidewaterCurrent "Focused on a healthy indoor climate with superior energy efficiency and a minimum impact on environmental resources, the first Active House in North America is now under construction near St. Louis...The state-of-the-art Active House, due to be completed this spring, will replace a drafty 67-year-old bungalow.. " January 15, 2013



LIVING PROOF: A SNEAK PEAK TOUR OF THE BULLITT CENTER

living-future



TidewaterCurrent 1.10.13 - Great video on the construction of Seattle's Bullitt Center, built to International Living Building Challenge standards. January 14, 2013



New Army Corps HQ in Seattle wins national green building award - Puget Sound Business Journal

bizjournals



TidewaterCurrent The Sustainable Buildings Industry Council judges awarded the building first place for the creation of a high performance building that is a secure federal facility. "Building occupants benefit from working in natural daylight. Rainwater is collected and used to flush toilets and to irrigate landscaping. And geothermal energy wells extend 150 feet below ground and loop water for cooling and heating. In building the headquarters, the team used 300,000 square feet of timber and wood decking from an adjacent warehouse."

January 16, 2013



The Greenest Office Building In The World Is About To Open In Seattle

fastcoexist



TidewaterCurrent 1.11.13 - "The Bullitt Center is made from totally clean materials, has composting toilets, and catches enough rainwater to survive a 100-day drought. And it's 100% solar-powered, in a city not known for its sunny days."

January 14, 2013



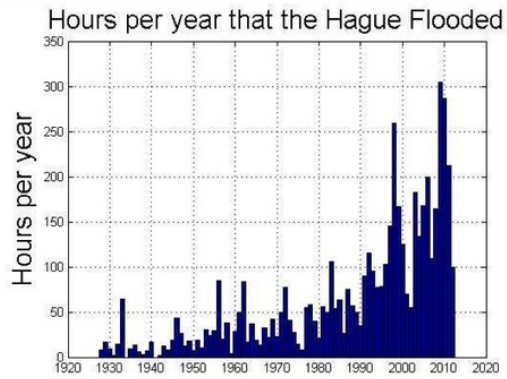
Prefab House is Living Lab for Energy and Water Conservation

ecohomemagazine



TidewaterCurrent Norris Tennessee - "LEED Platinum-certified prefab cottage features a compact footprint, careful siting, and local natural materials." University of Kentucky students designed the sustainable structure to also be affordable.

January 13, 2013



Climate Progress: Virginia, Maryland and Delaware Investigate Sea Level Rise Solutions - Tidewater Current | Winter 2013

tidewatercurrent



TidewaterCurrent 3 Mid-Atlantic states are beginning to address the threat of rising seas and recurrent inundation episodes.
January 12, 2013

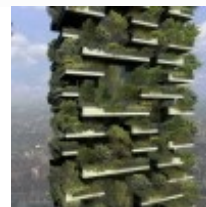


Moscow Technopark Focuses On Dorm Lifestyle «

earthtechling



TidewaterCurrent "Skolkovo is being planned on the outskirts of Moscow that uses many green building principles to encourage technological advancements...the techno-city, scheduled for completion in three main phases through the rest of this decade, says it will use at least 50 percent of its energy from renewable sources, include many passive energy saving designs and adopt state-of-the-art water conservation strategies."
January 14, 2013



Bosco Verticale

inhabitat



TidewaterCurrent 2.5 acres of vertical forest in Milan.
January 12, 2013



DC Offers Rebates on Green Roof Installation

georgetown.patch



TidewaterCurrent To reduce storm runoff and pollution in Chesapeake Bay tributaries, DC is offering \$5 per sq. ft. rebate for green "living" roof renovations.

January 12, 2013



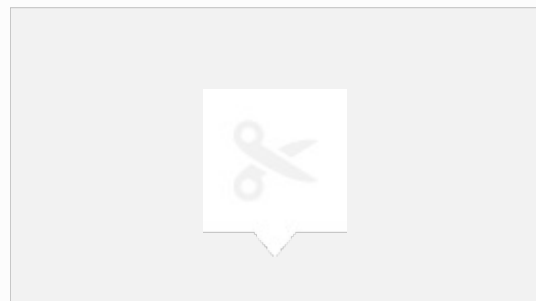
Compact Shipping Container House Challenges Space Requirements in Colorado

inhabitat



TidewaterCurrent "the home is off grid and makes use of solar orientation, passive cooling, a pellet stove for heating, and photovoltaics to create electricity."

January 12, 2013



MMSD ordered to provide 'green infrastructure' for storm water

jsonline



TidewaterCurrent "More rooftops in the Milwaukee area will be enlisted to grow grasses, flowers and other plants now that the Milwaukee Metropolitan Sewerage District has been given the nation's first wastewater discharge permit mandating "green infrastructure" to collect and absorb storm water."

January 12, 2013



Cargotecture – the Rise of Recycling Shipping Containers

designbuildsource.com.au



TidewaterCurrent 1.11.13 - "In a world dominated by mass production, architects are being forced to find alternative ways of designing buildings that will make the smallest impact on the earth. Extending the life of discarded materials and saving salvageable items from landfill is a completely viable approach."
January 12, 2013



NYC Fosters Green Buildings With Zone Green

sustainablebusiness



TidewaterCurrent "Among the many initiatives in NYC's sustainability plan, PlaNYC, is a requirement that every gallon of heating fuel be blended with biodiesel; 50 MW of utility-scale solar on decommissioned NYC landfills; stormwater management; requiring all buildings to measure and report on emissions; a cool roofs program; and a sweeping green buildings program."
January 11, 2013



Disaster-Resistant Earthbag Homes for Post-earthquake Haiti

treehugger



TidewaterCurrent "This system of building provides an easily replicable model, which can be built without using specialized construction machinery and can be participated in by the men and women of any community. Utilizing 90% earth, and only 10% cement, these structures are stronger than the now common cinder block and concrete slab construction. The technique also uses little to no wood, an invaluable asset in timber depleted Haiti."
January 12, 2013



High-tech shack brings solar power to slums

cnn



TidewaterCurrent 1.8.13 - "The 'shack' is equipped with a solar panel that can power lights and a mobile phone charger. The project will be scaled up using a grant from the Bill and Melinda Gates Foundation"
January 8, 2013



Sidwell Friends School Washington, D.C., U.S.A

asla



TidewaterCurrent "A wastewater management system cleans 3,000 gallons of water per day. After circulating through the landscape for three to five days, the water is re-used in the building's toilets and cooling tower."
January 9, 2013



Meadows Emerge as Growing Landscape Trend: Pollinators in Peril to Benefit - Tidewater Current | Winter 2013

[tidewatercurrent](#)



TidewaterCurrent With the success of landmark landscape projects, like the NYC High Line, place making green design concepts are taking off on a global scale. Ecological services, such as storm water filtration and management, are being utilized by cities across the country.

January 11, 2013



Boston Deep Energy Retrofit Earns LEED Platinum Status

[designbuildsource.com.au](#)



TidewaterCurrent "The complex is the largest Deep Energy Retrofit ever to be undertaken in the USA and is aiming to cut energy consumption by 72 per cent....As a result of the retrofit, the cost of gas for heating and hot water before the retrofit was \$194,000 a year. This has now been cut to \$50,000. Electricity bills have been cut in half from \$397,000 to \$181,000. "

January 8, 2013



America's "greenest street" provides a blueprint for sustainable urban development

gizmag



TidewaterCurrent More on Cermak Rd. in Chicago: "A streetscape that includes natural landscaping, bicycle lanes, wind powered lighting, storm water diversion for irrigation, drought-resistant native plants and innovative "smog-eating" concrete has earned Cermak road in Chicago the title of "greenest Street in America" according to the Chicago Department of Transport (CDOT)." January 8, 2013



American Rivers | Much Ado About Flooding - Using Green Infrastructure to Reduce A Growing Problem

americanrivers



TidewaterCurrent "Examples in Toledo and others across the country are making the case for green infrastructure's flood reduction advantages. As cities and towns deal with shifting precipitation patterns and a changing climate, green infrastructure can offer a cost-effective approach to protecting clean water and mitigating localized flooding that may become more common in certain areas." January 9, 2013



Living Building Challenge: What Is It Exactly? «

earthtechling



TidewaterCurrent 1.6.13 - Covers criteria and differences from LEED certification.

January 7, 2013



CBF's "Living Building" Education Center Gets Green Light - Pleasure House Point

cbf



TidewaterCurrent As noted in the linked press release, a living building must meet stringent energy, water, site standards and more. Already using exceptions for development in an ecologically sensitive area, the Bay Foundation is looking to recycle and use reclaimed building materials. Contact the local office if you have or are aware of materials that can be reused.

January 7, 2013



A Tree Grows In Detroit—A Lot Of Them «

earthtechling



TidewaterCurrent 1.5.13 - "The Forest, which recently won the top prize in the 2012 Detroit by Design competition. The idea from New York City architecture firm atelier WHY, couldn't be simpler: Take an open riverfront plaza in the heart of downtown and turn it into a dense, primeval urban forest."

January 7, 2013



Why green labels boost real estate values

greenbiz



TidewaterCurrent "At least 35 percent of San Francisco's total commercial square-footage now bears a LEED and/or EnergyStar label, according to the U.S. Green Building Council....buildings with a "green rating" (EnergyStar and LEED) command rental rates that are roughly 3 percent higher per square foot than otherwise identical buildings" Sales prices of green homes are roughly 9% higher than their conventional counterparts.
January 8, 2013



A Collaborative Summit: Protecting Water Quality through Actions on Urban-Suburban Properties- Center for Coastal Resources Management

ccrm.vims.edu



TidewaterCurrent Date & Time: Wednesday, February 13 - 2013 - 9:00 am - 6:30 pm & Thursday, February 14, 2013 - 9 am - 2:45 pm Location: Williamsburg Woodlands Hotel & Suites 105 Visitor Center Dr. Williamsburg, VA23185 Hosted by: Wetlands Watch, Alliance for the Chesapeake Bay, VIMS Center for Coastal Resources Management, and UVA Institute for Environmental Negotiation
January 7, 2013



The Desert Rain House Story

desertrainhouse



TidewaterCurrent Follow the construction of this Bend, Oregon home being built to Living Building Challenge standards.
January 6, 2013



Greenroofs.com Projects - The Barnes Foundation

greenroofs



TidewaterCurrent 1.7.13 - "The 13,000 sf green roof on the newly opened Barnes Foundation in Philadelphia is a compliance green roof intended to satisfy the Philadelphia Water Department's stormwater management requirements. Established with pre-grown Sedum mats which were interplanted with perennials, the simple, extensive green roof is unusual because of its ability to support flowering plants in a thin un-irrigated assembly. Throughout the spring and summer Achillea, Talinum, Dianthus, and Phlox will provide a progression of color through the green carpet."
January 7, 2013



Sprouting A Living Building From A Gas Station - ecotrope.opb.org

ecotrope.opb



TidewaterCurrent Great story about a group effort to create a living building on a tight budget.
January 6, 2013



Office for Organic Farm in Shanghai Is Built from Shipping Containers

treehugger



TidewaterCurrent 1.4.13 -
January 6, 2013



Make Your Home Eco-Friendly in 2013

greenerideal



TidewaterCurrent 1.1.13 - "his is Catawba Valley Habitat for Humanity's Zero Energy House in the Ridgeview Neighborhood of Hickory, North Carolina. It is considered to be the first Zero Energy home in the entire state."

January 5, 2013



WVU Solar Decathlon team ready to build solar-powered log home

statejournal



TidewaterCurrent 1.4.13 - "The WVU house is the first log-style home accepted into the Decathlon. The structure will include solar panels and will rely on natural resources to control temperature. The students also are developing an app that will allow them to control temperature."

January 5, 2013



Energy Efficiency - NY State to improve energy efficiency of federal buildings by 20% through 2020

ecoseed



TidewaterCurrent 1.4.13 - "Build Smart NY is a strategic implementation plan that will draw on state building energy data to prioritize projects that will provide the most energy savings per dollar spent."

January 5, 2013



How To Build A Tiny Home—And Where To Put It «

earthtechling



TidewaterCurrent "Four Lights Houses, and is working on zoning a new California housing development strictly for tiny homes in the range of 270 to 700 square feet."

January 3, 2013



Rotterdam Climate Proof projects on the map

rotterdamclimateinitiative.nl



TidewaterCurrent "Rotterdam has come up with a remarkable invention to provide for additional water storage in this densely built-up city: water plazas. Most of the time, these water plazas will serve as marvellous children's playgrounds or sports fields."

January 2, 2013



Pioneering plastic bridge opens in Santa Rosa Valley

vcstar



TidewaterCurrent No. 2 recyclable bottles are combined with discarded car bumpers to create a strong and solid building material. This the first such bridge in CA, but other bridges for rail and cars have been constructed on the East Coast and Europe.

January 4, 2013



Mechanic Wall Panels Mimic Human Skin To Filter Sunlight [Pics] - PSFK

psfk



TidewaterCurrent Spa in Saudi Arabia will feature kinetic metal skin walls. The adaptive facade reacts with sunlight to open and close, thus providing shading and cooling.

Similar post here:

<http://snip.it/snips/372619>

January 3, 2013



Rotterdam's Solar-Powered Floating Pavilion is an Experimental Climate-Proof Development

inhabitat



TidewaterCurrent "An initiative of Rotterdam Climate Proof (part of the Rotterdam Climate Initiative), the mixed-use pavilion was designed by Deltasync and PublicDomain Architects, and it sets an unprecedented example for innovative, sustainable and climate-proof architecture."

January 2, 2013



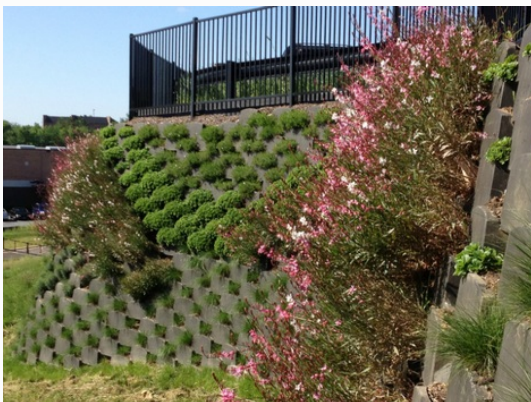
Living Art: The Rise Of The Vertical Gardens

designbuildsource.com.au



TidewaterCurrent "vertical gardens make for great design features and are considered alternatives for wall art...Covering a building wall can keep the wall insulated, alleviate pollution and provides a shield to the building materials from elements like the sun....In New York, architect Laurence Tamaccio is proposing to cover the West Side Highway – the divider between Riverside Park South and the Hudson River – with a leafy vertical ivy garden and aligning waterfalls. He believes his Vine Line proposal will become a source of pride for the entire community and revamp the area aesthetically"

January 4, 2013



Beltway Business Park | Smart Slope

smartslope



TidewaterCurrent Living Retaining Walls.

December 27, 2012



New Urban Algae System Generates Energy While Cleaning Wastewater in Paris

inhabitat



TidewaterCurrent 12.9.12 - Flat paneled algae harvesters have been placed on a buildings exterior in a pilot project to grow algae from building wastewater and then harvest the algae to power the building.
December 27, 2012



Tampa couple embraces green lifestyle with home renovations - Tampa Bay Times

tampabay



TidewaterCurrent Good story about a Tampa couples efforts to renovate their home sustainably. "For the Fishers, the journey to green living was launched in Naples, Italy, where Dan was stationed as a U.S. Navy officer for two years. Recycling was mandatory and residents were encouraged to hang clothes outside instead of tossing them in the dryer."
December 30, 2012



Innovative Green Architecture From Across The Globe

greenerideal



TidewaterCurrent Pictured - Suzlon One Earth in Pune, India "consists of multiple buildings surrounded by a large garden, streams and a scenic waterfall. Their aim, they say, is to create a working environment that is unique and inspiring whilst being sustainable....The property is proud to recycle all water and it utilises many roof gardens and additional insulation to ensure passive cooling. ...the property also makes extensive use of alternative energy sources, using solar panels in conjunction with windmills to generate power."

December 27, 2012



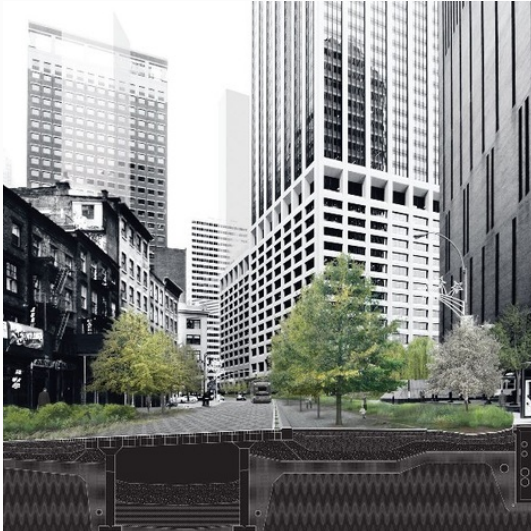
EPA Announces 'Clean Rivers, Green District Partnership' With District of Columbia and DC Water

environmental-expert



TidewaterCurrent "The Clean Rivers, Green District Partnership aims to prevent pollution from coming in contact with rainwater in the first place, while also providing public health, livability, and economic benefits for the District and its residents. D.C. Water has proposed expanding its commitment to the use of green infrastructure as a supplement to its investments in a series of tunnels for the control of combined sewer overflows in the District. The Clean Rivers, Green District Partnership agreement outlines the cooperative steps that EPA and the District will take in support of a green infrastructure demonstration project proposed by D.C. Water, and how it will relate to the existing federal consent decree commitments for controlling combined sewer overflows. "

December 27, 2012



Plan to secure Manhattan from flooding leans on nature

marketplace



TidewaterCurrent "Builders, landscape architects, urban planners -- they've all been throwing out proposals for how to shield the famous island from devastating floods in the future. ...Architecture Research Office in Manhattan. Stephen Cassell is a partner there and his firm has proposed a unique redesign....redesigning how the city infrastructure works. We'd take all the pipes and electrical wires and everything in the street and put them in water-proof vaults under the sidewalk and then make the street bed absorptive -- that would basically absorb water and then channel it back out to the edge of the island," says Cassell."

January 2, 2013



Grand designs on 'dream' eco-home

harboroughmail.co.uk



TidewaterCurrent 12.24.12 - Cradle to cradle project designed by a student architect for his parents, if approved for construction, will be the first such project in the UK.

December 26, 2012



Virginia Co. Purveys Wines with a Double Dose of Sunshine - Tidewater Current | Winter 2013

tidewatercurrent



TidewaterCurrent 12.23.12- Solar derived fruit of the vine stored in sun run warehouse

December 24, 2012



Target Plans For A Green Entry Into Canada «

earthtechling



TidewaterCurrent The company plans to renovate 124 sites for new stores planned that will meet LEED standard for existing buildings.

December 26, 2012



\$25M 1st state 'zero net energy' building to rise on Westboro site

telegram



TidewaterCurrent Massachusetts - "The \$25 million building will include 45,000 square feet of office, laboratory and meeting space using a geothermal heating and cooling system, solar panels to generate electricity and energy efficient mechanical systems and building design."

December 27, 2012



Halifax Seaport Farmers Market - Renovation and expansion of shipping warehouse achieves LEED Platinum

sabmagazine



TidewaterCurrent This is some Farmer's Market. Solar, wind and geothermal technologies employed while green roof provides habitat and insulation. There's also a rainwater harvesting system.

December 25, 2012



Net-zero school pays off

bgdailynews



TidewaterCurrent 12.22.12 - Bowling Green, KY - "the first "net-zero" school in the nation: Richardsville Elementary School.... is still the only major school building in the United States that is not only net-zero, but that also actually earns money from its electricity generation."

December 23, 2012



Centre for Interactive Research on Sustainability - Designed to be the most sustainable building in North America

sabmagazine



TidewaterCurrent "CIRS harvests sunlight with building-integrated photovoltaics, captures waste heat from a nearby building, and exchanges heating and cooling with the ground to achieve net-positive energy...Through a simple system, rainwater is harvested from the high-albedo roofs, stored in a below-ground cistern, filtered, disinfected onsite, and distributed through the building for potable water applications. Using a solar aquatics biofiltration system, 100% of the building's wastewater is reclaimed, treated and reused within the facility. Water is collected from fixtures throughout the building, and treated water is reused within the building for irrigation and toilet flushing, creating a closed-loop water cycle. "

December 25, 2012



The UK's Most 'Outstanding' Green Building

designbuildsource.com.au



TidewaterCurrent 12.21.12 - The just completed building received the worlds' highest BREEAM score features a double skinned facade, earth tubes to heat and cool air, a central atrium that pulls stale air out of the building, a CHP power plant and an absorption chiller.

December 21, 2012

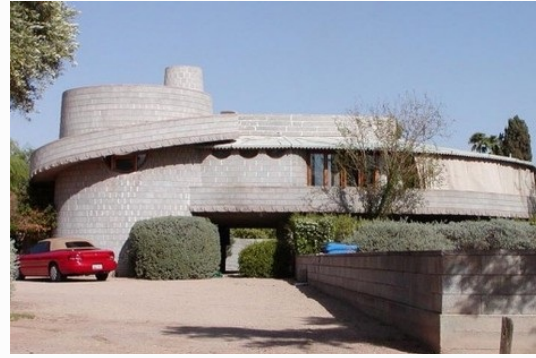


Hip Chasen Residence Boasts an Ultra Tight Envelope That Spares Energy in North Carolina

inhabitat



TidewaterCurrent "Built for just \$117 per square foot, the Chasen Residence is compact, affordable and decidedly contemporary...Standard interventions include passive solar orientation and insulation which mitigates undue thermal loss "
December 22, 2012



Phoenix Gets a Special Holiday Gift: Iconic Frank Lloyd Wright House is Finally Saved from Demolition

inhabitat



TidewaterCurrent " an anonymous benefactor closed on the purchase of the house for an undisclosed price and plans to transfer the property to an Arizona non-profit that will restore, maintain, and operate the building for educational purposes. "
December 22, 2012



Biological concrete for constructing 'living' building materials with lichens, mosses

sciencedaily



TidewaterCurrent "The Structural Technology Group has developed and patented a type of biological concrete that supports the natural, accelerated growth of pigmented organisms. The material, which has been designed for the facades of buildings or other constructions in Mediterranean climates, offers environmental, thermal and aesthetic advantages over other similar construction solutions. The material improves thermal comfort in buildings and helps to reduce atmospheric CO2 levels."

December 23, 2012



Gardens grow as latest green home amenity

usatoday



TidewaterCurrent 12.20.12 - "gardens are popping up not only in new single-family and luxury condo developments, where they aim to lure green buyers, but also in new and decades-old affordable housing projects, which aim to get residents outdoors."

December 20, 2012



Sri Lankan Rainforest Chalets Earn LEED Platinum «

earthtechling



TidewaterCurrent
December 19, 2012



Greenfab Takes Prefab to IBS Las Vegas

jetsongreen



TidewaterCurrent Prefab LEED
Platinum
December 18, 2012



City of Portsmouth Wins 2012 National Award for Smart Growth - Tidewater Current | Winter 2013

tidewatercurrent



TidewaterCurrent 12.16.12 -
"Destination Portsmouth" program, which culminated in a full rewrite of the City's land use ordinances will promote the pictured "multimodal thoroughfare with mixed-use buildings, light rail, and an inviting streetscape"
December 17, 2012



Living Machine Green Waste Management - New England Photos

newenglandphotos.blogspot



TidewaterCurrent Rest area water
treatment plant.
December 17, 2012



SOM has broken ground on the first net-zero school east of the Mississippi on Staten Island. In Detail > P.S. 62 - The Architect's Newspaper

archpaper



TidewaterCurrent 12.19.12 - " ROOF-MOUNTED PV PANELS WILL PRODUCE ALL OF THE SCHOOL'S ENERGY OVER THE COURSE OF THE YEAR. ...the project will make use of nearly every arrow in the quiver of sustainability, blending them thoughtfully to create a building that will not only be easy on the environment, but will also be educational."

December 20, 2012



No Orcs Allowed: Hobbit House Brings Middle-Earth To Pa. : NPR

npr



TidewaterCurrent 600 sq. ft. structure made of stones from the Pennsylvania site.

December 16, 2012



Palais Lumiere: Pierre Cardin designs "Habitable Sculpture" for Venice

gizmag



TidewaterCurrent "Cardin hopes that the "ecosustainable" design will provide a building that delivers a balance between energy consumed and generated. The vertical structure will contain low emission glass that lowers heat dissipation through convection, whilst energy is to be generated through a solar photovoltaic system and wind power. The micro-climate is to be managed through a geothermal air conditioning plant that services the whole complex and an efficient management system of municipal solid waste is also planned."

December 19, 2012



Students help design 'Eco-Tent' for Everglades National Park | Sustainable Business Oregon

sustainablebusinessoregon



TidewaterCurrent University of Miami students helped develop the solar lighted structures that can be packed up in the off season (and therefore safe from hurricane damage).
December 16, 2012



China's plan to build a massive 120 million-square-foot city — from scratch

io9



TidewaterCurrent Meixi Lake City master plan approved by Chinese government will house a population of 180,000 and "seeks to establish a paradigm of man living in balance with nature...."Advanced environmental engineering, pedestrian planning, cluster zoning, and garden integration, are all made part of a holistic strategy of design in this healthy city."
December 15, 2012



City of Cincinnati Now Offers Green Roof Loans - 121 W. Sixth St., Newton, KS - The Kansan - Newton, KS

thekansan



TidewaterCurrent "The Ohio Office of Environmental Protections has made \$5,000,000 available for green roof loans."
December 16, 2012



Gunderson greenroof stars in Portland band's music video | Sustainable Business Oregon

sustainablebusinessoregon



TidewaterCurrent "The City of Portland touted the video in a newsletter this week, alongside the announcement that the city's ecoroof incentive, which provides up to \$5 per square foot of an ecoroof project, is again open for applications. The city supports ecoroof development as a means toward better stormwater management and has a goal of 43 acres of new ecoroofs in place by the end of next year. "

December 16, 2012



UK looks at floating homes option

bbc.co.uk



TidewaterCurrent Amphibious and Floating homes being investigated in the UK.

December 12, 2012



This Breathing Office Building Makes You Feel Like You're Outside

fastcoexist



TidewaterCurrent PNC Building in Pittsburgh should be complete by 2015. "The building "breathes" with a double-skin facade: a natural ventilation system that has a glass outer weather and air barrier and an inner layer with automated air vents, a wood curtain wall, and manually operated sliding doors. A series of automatic sensors on both layers open up the building for air when the weather is nice....Asolar chimney will draw exhaust and warm air up and out of the building, while the double-skin will pull air in--a technique that can dramatically cut down on energy use. Asolar photovoltaic array will lie on top of the chimney. "

December 17, 2012



Cape Charles Wave

capecharleswave



TidewaterCurrent 12.12.12 - LEED Platinum Cape Charles home designed by Janet Harrison, consultant CBFs Merrill Center. December 12, 2012



Houston developer creating carbon-neutral office building

blog.chron



TidewaterCurrent 12.12.12 - "This 13-story building, under construction in San Diego, will be the largest carbon-neutral office building ever built in the United States, according to Hines, the Houston-based firm developing the project with J.P. Morgan Asset Management." December 14, 2012



Unity Prefab Assembled in Three Days

jetsongreen



TidewaterCurrent Battleboro, VT home will use 50-75% less energy than a conventionally built home December 15, 2012



Stone34 Project To Break Ground In Seattle «

earthtechling



TidewaterCurrent Living Building Challenge and LEED Platinum Design. "Some of the dozens of environmental features of the project include a hydronic radiant heating and cooling system, storm-water capture and reuse capability, windows that draw in more daylight and a passive air circulation system for the summer months. Sensors will also be built in to monitor continuously the energy usage habits of employees and will inform tenants about the amount of energy they are consuming" December 13, 2012



1 Bligh Street wins the The International Highrise Award 2012

arup



TidewaterCurrent "Sydney's first 6 Star Green Star high-rise building, won the International Highrise Award 2012 during a ceremony which took place in Paulskirche in Frankfurt. " December 13, 2012



Inside the luxury floating house that used to be a U.S. Navy boat that served in Vietnam

dailymail.co.uk



TidewaterCurrent 12.10.12 - Kent, UK.
December 12, 2012



Modern Kenjo Cabin is a Solar-Powered Floating Room For a Family in Sweden

inhabitat



TidewaterCurrent 12.9.12 - Prefab floating cabin uses rooftop PV for power."
December 9, 2012



This office building is made entirely out of recycled paper

grist



TidewaterCurrent 12.10.12 - Essen, Germany
December 10, 2012



UCLA Architecture Distinguished Professor Thom Mayne Awarded AIA Gold Medal - University of California, Los Angeles (UCLA)

archinect



TidewaterCurrent New Orleans Float House pictured - "Gold Medal recipients are individuals "whose significant body of work has had a lasting influence on the theory and practice of architecture."
December 12, 2012



New US Embassy in Nine Elms approved

wandsworth.gov.uk



TidewaterCurrent London -

"Sustainable design features include a ground source heat pump to provide renewable energy and photovoltaic panels for harvesting solar power. The landscaped gardens and pond would provide new habitats for wildlife and greywater will be recycled on site."

December 10, 2012



Air Purifying Art: Edmonton International Airports Living Wall

gizmag



TidewaterCurrent The rigid waterproof panels are made from post consumer food grade plastic (such as milk cartons, plastic bags and bottles) and the plant root material is made from recycled fibers from the textile industry...Nine of the plant species chosen by designer Mike Weinmaster from Green over Grey have been identified by NASA as substantially improving indoor air quality. The studies conducted in space found 10 plant species that are more efficient than mechanical filters at purifying the air of toxins such as carbon dioxide, benzene, and volatile organic compounds (VOCs), with the additional benefit that the thousands of plants add oxygen and improve humidity levels in the terminal."

December 11, 2012



Empowerhouse: New Model for Green, Affordable Housing, Now Open

dexigner



TidewaterCurrent First passive house in Washington was designed by students for the Solar Decathlon and built with assistance from Habitat for Humanity and the DC government.

December 9, 2012



NYC Plans On Designer Shipping Containers for Next Disaster

archdaily



TidewaterCurrent 12.6.12 - "NYC plans to prepare for the next disaster with apartments built out of shipping containers to be used as disaster relief shelters."

December 6, 2012



New Pier 57 Incubox Shipping Container Mall Set to Open Next April in NYC

inhabitat



TidewaterCurrent "Aside from recycling shipping containers, the new Pier 57 will also repurpose old airplane fuselages, which will become columns, food kiosks and performance spaces that will be spaced around an open air public market."

December 6, 2012



UPDATE: Landmark Vote for David Wright House Delayed

archdaily



TidewaterCurrent 12.6.12 - "The Phoenix Business Journal reports that the Phoenix City Council has pushed back the vote to give the David Wright House Landmark Designation until January 16th."

December 6, 2012



Gravel Pave Road at Paradise Creek Nature Park, Portsmouth, VA

invisiblestructures



TidewaterCurrent Gravel paving system by Invisible Structures is porous so water and pollutants from vehicles will not runoff into the adjacent waterway but instead filter through the gravel.

December 8, 2012



Hyatt at Olive 8 Receives LEED Silver, Gold Green Seal and Green Key Eco-Rating

greenbuildingelements



TidewaterCurrent Author briefly discusses green certification labels, but fails to mention the rooftop wind turbines that are spun by rooftop waste heat vents - see video here: <http://www.youtube.com/watch?v=QiryU65-p2w>

December 8, 2012



A Neat & Efficient House Design

efficient-life



TidewaterCurrent 12.2.12 - Rotating home in Canberra Australia will follow the sun. "the rotation uses minimal energy – about 100 watts, which is about the same as a bright light bulb."

December 5, 2012



First zero net energy office opens in St. Pete; home to Florida Sierra Club

wmnf



TidewaterCurrent 12.3.12 -
December 4, 2012



Green Roofs are Starting To Sprout in American Cities

e360.yale.edu



TidewaterCurrent 12.2.12 - "Chicago, which now has more green roofs than any other U.S. city, last year added 600,000 square feet of green roofs and has some 600 projects that will bring its total to 7 million square feet. Washington, D.C. added 190,000 square feet in 2009 and has set a goal of 20 percent green roof coverage by 2020."

December 6, 2012



Designing the Urban Landscape To Meet 21st Century Challenges

e360.yale.edu



TidewaterCurrent 12.6.12 - Good interview. Landscape design, says Martha Schwartz in an interview with Yale 360, "can moderate extreme heat, recycle water, reduce energy use, lower carbon emissions, and attract people to urban areas" She notes that most the urban environment is comprised of infrastructure, streets and parking lots and that these spaces play a vital role in sustainability.

December 6, 2012



Kat Livesey Darnault

Château Hemp? | News | News & Features | Wine Spectator

winespectator



TidewaterCurrent "The new Maris winery is built almost entirely from large, sturdy "bricks" of organic hemp straw. Those bricks not only reduced carbon emissions from construction, they also continue to capture carbon dioxide from their surroundings. "

December 6, 2012



B.C. Home Certified By Living Building Challenge «

earthtechling



TidewaterCurrent 12.4.12 - Cob construction. "first residence ever to be certified under its Living Building Challenge program....The 2,500-square-foot building—which houses Ann and Gord Baird, their two children, and Ann's parents—employs non-flush composting toilets as well as systems for solar water heating, rainwater collection and grey-water filtration for reuse as irrigation. About 80 percent of the food consumed by the family is grown and processed on site."

December 4, 2012



The Aussie Solution For Rainwater Harvesting In The City «

earthtechling



TidewaterCurrent Innovative rainwater storage system developed down under takes advantage of floor and wall space for water storage allowing for more rainwater capture in urban areas.

December 1, 2012



"Back to Basics: Pragmatic Prefab for a Little Greener Living"

dornob



TidewaterCurrent Fabulous 340 sq. ft. design - no mention of cost though.
December 3, 2012



Will This Be The World's Greenest Skyscraper?

designbuildsource.ca



TidewaterCurrent "holistic sustainability can be defined through its three pillars of economic, environmental and societal sustainability, with each part playing a vital role in contributing to the broader idea of true and all-encompassing sustainable living. Pittsburgh's Tower at PNC Plaza manages to implement these three pillars"

December 2, 2012



Super-green restaurant set to open its doors in E. Harlem with 45 environmentally friendly features

nydailynews



TidewaterCurrent 12.3.12 -

Applebees is set to debut new green location in NYC. "There are only 11 LEED-certified Gold restaurant projects so far in the entire U.S. — and this is the only one based in New York City, the Green Building Council says." In addition to a vegetated green interior wall, the building boasts a rooftop greenhouse and a rainwater collection system for toilet flushing.

December 4, 2012



No More 'Soulless' Glass Facades in Timber Architecture Boom

designbuildsource.ca



TidewaterCurrent "While timber has always played a role in industry developments new timber engineering has led to designs for timber skyscrapers in all corners of the globe....The specifically engineered timber is not only fire safe, given the fact that it chars rather than combusting, but it is also highly environmentally responsible, with all of the timber to be locally sourced and renewable....a new design competition 'Timber in the City: Urban Habitats' has taken off. The competition seeks to bring the timber trend to the Brooklyn Waterfront neighbourhood of Red Hook....Tenders for the competition must be entered by March of next year, with winning projects selected the following July"

December 2, 2012



Crop sown for hemp house

stuff.co.nz



TidewaterCurrent 11.27.12 - New Zealand - "Greg Flavall with a Hempcrete Wall Sample which will be used to build New Zealand's first hemp house....He is a strong advocate for the age-old plant after building some of the first hemp-lime homes in Canada and the United States earlier this century...Mr Flavall has returned from the United States to look into developing hemp-cropping in New Zealand to export to the US," as hemp production is against the law in the US. Hempcrete is "a cheap, breathable, non-toxic product which is non-combustible, power-saving, soundproof - and has a negative carbon footprint, he says.

December 2, 2012



Net zero: Solar home is 'designed for the future'

conwaydailysun



TidewaterCurrent 11.29.12 - Sweden, Maine - This home that will produce as much energy as it uses in a year is on the market for \$449,000.

November 30, 2012



How Downtown Austin Lost Two Parking Spaces - And Gained a 'Parklet'

kutnews



TidewaterCurrent "The idea behind the street patio is to make the city more pedestrian-friendly and less auto-centric"

December 1, 2012



Caretaker's House is the World's First Green Timber Home Insulated to Passivehaus Standards

inhabitat



TidewaterCurrent 11.27.12 - Student designed home in Dorset England made from untreated wood felled on the site.

November 27, 2012



200 square foot homes prop up in DC as aspiring homeowners look for their piece of the American dream after the housing crisis

dailymail.co.uk



TidewaterCurrent 11.30.12 - Stronghold, a community of tiny houses in Washington, DC is offers affordable city living. "The group have transformed the concrete abandoned lot into a grassy area for the stall-like homes. They also have plans to construct a garden area and plant 10-15 trees to surround the lot. The group of homes will all circle an open, grassy area with a picnic table open to the community."

December 1, 2012



Help Fund WHIM Architects' Island Made Entirely Of Coastal Trash!

architizer



TidewaterCurrent 11.27.12 - WHIM architecture is kickstarter funding a project to create a floating island home from coastal trash. Their plan is to "mold collected plastic into hollow blocks on which the island will float. The prototype will test exactly how strong these blocks will be. The home will then collect energy from solar panels attached to the roof as well as from the movements of the surrounding waves. Seaweed will be cultivated for food, and fabric and compost will be collected and used to create fertilizer so the islanders can begin to grow their own agriculture." Lots of images and a link to the kickstarter page.

November 28, 2012



World's Largest Modular Prefabricated Tower Will Be Built at Atlantic Yards In Brooklyn and I Eat My Words

treehugger



TidewaterCurrent 11.29.12 - "The solution to producing high-rise modular buildings came, in part, from the ability to create computerized three-dimensional models that allowed them to test the integrity of the engineering, Christopher Sharples of SHoP Architects said." November 29, 2012



Fast Track Trampoline Sidewalk-Salto Architects

inhabitat



TidewaterCurrent 11.27.12 - This could be great for storm water management.
November 27, 2012



Building Blog

inspirationgreen



TidewaterCurrent Pebble Pathways and much more.
November 27, 2012



Kitchen Sink Buildings

inspirationgreen



TidewaterCurrent More from Inspiration Green - Recycled sink buildings in the Netherlands.
November 27, 2012



Net-Zero For a Competitive Price

greenbuildingadvisor



TidewaterCurrent 11.26.12 - \$150/sq. ft. sustainable home, built with help of students will be open to the public for tours over the next year and will then be donated to Habitat for Humanity.
November 27, 2012



Army Corps of Engineers Transforms Old Warehouse into High Tech Showcase

cleantechnica



TidewaterCurrent 11.27.12 - Going for LEED Platinum certification "The overall site plan restored about half of the original paved and built surfaces to porous green spaces. "
November 27, 2012



Chicago's urban farm district could be the biggest in the nation

grist



TidewaterCurrent "In the coming weeks, the city's planning department is expected to approve the creation of a green belt with a strong focus on urban agriculture within the neighborhood of Englewood. The plan is an element of Chicago's Department of Housing and Economic Development's (DHE) Green Healthy Neighborhoods initiative, designed to shepherd and foster redevelopment in 13 square miles of the South Side. Years of disinvestment and population decline have left the area riddled with 11,000 vacant lots totaling 800 acres." See more clips on urban agriculture in the Food - Sustainable Production snip. it collection.

November 27, 2012



Officials break ground on Chesonis Commons on Harley School campus

whcc



TidewaterCurrent Rochester, NY - Living Building - Net zero energy, water and carbon.
November 26, 2012



Solar-Powered Floating Schools Allow Bangladeshi Kids To Learn During Monsoon Season

cleantechnica



TidewaterCurrent 11.26.12 - The nonprofit Shidhulai Swanirvar Sangstha is building the solar-powered boat schools .
November 26, 2012



This is the house that hemp built ...

thisisscunthorpe.co.uk



TidewaterCurrent 11.21.12 - "There is more CO2 absorbed by the plant during cultivation, and during construction the walls will continue to absorb CO2."
November 23, 2012



Interview: NY architect Maziar Behrooz talks container homes

gizmag



TidewaterCurrent 11.25.12 - "MB Architecture recently finished enhancing the Container Studio prototype to offer a prefab container home under US\$100K. The upgraded Insta House is created from four recycled shipping containers (two on top of two) to create a comfortable, high-ceiling, low cost home. Each house is retrofitted in a factory-setting, before being delivered and erected onsite within seven days."
November 26, 2012



Sweden's Thatched Takern Visitor Center is Home to 100 Species of Birds

inhabitat



TidewaterCurrent 11.23.12 - "the center was constructed using traditional building techniques in which the walls and roof were covered with reeds. The building's thatched exterior is reminiscent of blinds used by bird watchers and it provides spaces for small birds to nest."
November 26, 2012



Google Supporting USGBC on Green Building Materials

ecogeek



TidewaterCurrent \$3 million dollar grant to support sustainable building materials research, promotion and education.
November 21, 2012



Looking to the Past for the Future of Ventilation

designbuildsource.com.au



TidewaterCurrent 11.26.12 - "Yazd's buildings are often naturally ventilated using the Wind Tower principle, a roof mounted device that channels fresh air into a room under the action of the wind pressure while simultaneously drawing air out of the room by virtue of a low pressure region created downstream from the element. It does this regardless of the direction of the wind and without mechanical assistance"

November 26, 2012



The Findhorn Ecovillage

findhorn



TidewaterCurrent "has an ecological footprint that is half the national (UK) average; nstalled a 250kW biomass boiler in 2010 to service the central Park area, reducing carbon emissions by 80 tons a year; has 55 ecologically-benign buildings, 4 wind turbines, biological Living Machine sewage treatment system; numerous solar water heating systems"

November 22, 2012



City encourages applications for Green Infrastructure competition - Roxborough Review - Montgomery News

montgomerynews



TidewaterCurrent 11.20.12 - Philadelphia, PA- \$10,000 cash prize for 3 winning designs. Teams must register by Nov. 30.

November 23, 2012



Vancouver Will Pave Its Streets With Recycled Plastic «

earthtechling



TidewaterCurrent 11.22.12 - "the process involves 20 percent less fuel and will lead to savings in the long term. Apparently, the new recycled ingredient also allows crews to apply asphalt on cool days, which wasn't possible before because it would cause the paving material to seize up."

November 22, 2012



Architecture & Sea Level Rise” Award 2012 for App-grading Wet Slums

waterstudio.nl



TidewaterCurrent "A set of CityApps are developed for Wet Slums that provide food, sanitation, shelter and energy. Floating technology that has been used in projects for the "rich" will now be used for the people that really are in need. "

November 22, 2012



Greening Sydney: The New Urban Forest Strategy

designbuildsource.com.au



TidewaterCurrent 11.16.12 - "the city will grow its urban forest and green canopy by up to 50 per cent by 2030 and maximise the environmental, economic and social benefits of trees and plants to the community."

November 19, 2012



A Shape-Shifting, Heat-Sensitive Metal Lets Buildings Breathe

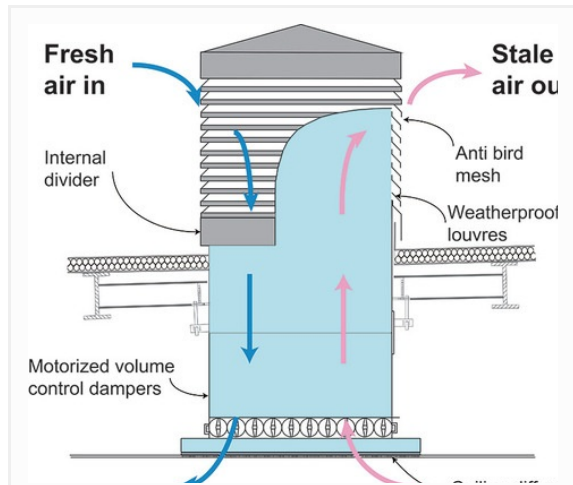
fastcodesign



TidewaterCurrent 11.19.12 -

"Developing buildings that self-regulate their temperatures--what's known as homeostatic architecture--is more difficult than it sounds, and the perfect, uncompromising homeostatic construction remains one of architecture's holy grails." A Princeton student has developed a thermobimetal material and installed a structure in LA for testing and a project is planned in China for a home coated with a skin of the material. The structure changes changes with the environment to block or let in light and air. Video included.

November 23, 2012



In Detail> Morphosis Offices - The Architect's Newspaper

archpaper



TidewaterCurrent Morphosis LA office touted as the largest net zero building in the City and one of the greenest in the Country uses rooftop windcatchers to bring in cool air and force out hot stale air.

November 19, 2012



Canadian firm's green walls filter, freshen workplace air

theglobeandmail



TidewaterCurrent Living wall system integrated into a building's air circulation system removes harmful pollutants volatile organic compounds and formaldehyde."Unlike conventional green walls, in a living biowall the plants' bare roots are exposed to the air that's pulled through the wall. Microbes on the roots ingest pollutants in the air....Rainwater is recycled from a roof catchment and runs down the wall, providing the nutrients the plants need to thrive."

November 20, 2012



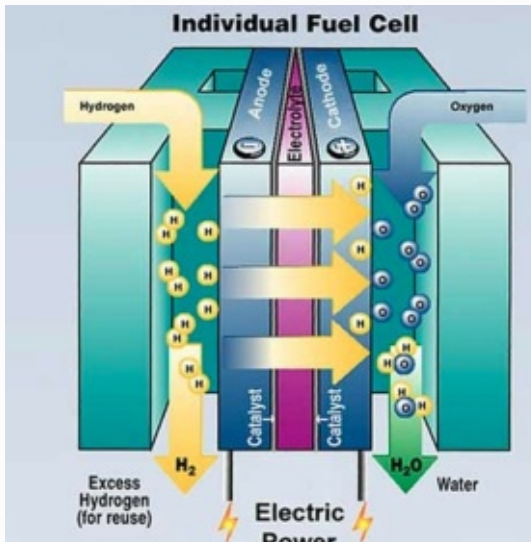
M:OFA Unveils Air-Filtering Green Office for the Delhi Pollution Control Committee

inhabitat



TidewaterCurrent 11.20.12 - Delhi Pollution Control Committee's "new office office complex will use both passive and active strategies to reduce energy use, and it will soak up polluted air through the walls, generate its own energy through photovoltaics, collect rainwater from the roof and process black and grey water for further use."

November 21, 2012



Microsoft building clean powered data center at waste water plant

gigaom



TidewaterCurrent 11.19.12 - "Microsoft has unveiled details of an experimental small data center that it's building next to a waste water treatment plant in Cheyenne, Wyoming. The tiny data center will be powered by a fuel cell that uses biogas from the water facility" November 21, 2012



Quirky New Development Planned For Detroit

huffingtonpost



TidewaterCurrent 11.16.12 - Three Squared plans an energy efficient 20 complex development built out of recycled shipping . November 16, 2012



SECOND TO NONE...With House 2.0, architect Pieter Weijnen demonstrates the exponential rate at which green design is advancing.

dwell



TidewaterCurrent On the manmade island of IJburg in the Netherlands this passive house boasts the biggest triple-glazed window in the Netherlands, a geothermal heating exchange system, a wood-burning stove, a rainwater tank, a wind turbine on the roof, a whole tree used instead of a girder, adobe walls instead of plaster, and a charred-wood facade November 20, 2012



Zero Cottage - San Francisco, California

dbarchitect



TidewaterCurrent Under construction - LEED Platinum, Net Zero and Passive House certification expected.
November 16, 2012



Gainesville man built his house out of 12 shipping containers | firstcoastnews.com

firstcoastnews



TidewaterCurrent 11.15.12 - Great Video Tour of \$200,000 LEED Platinum/Net Zero home made out of 12 shipping containers. Owner gets a check back for about \$300/month and will be able to pay off PV system in about 5 years.
November 16, 2012



Carbon Neutral Wastewater Treatment? A Cannes-Do Approach in the Cote d'Azur

waterworld



TidewaterCurrent 11.15.12 - Aquaviva Treatment plant has over 1000 solar panels installed to power ultra efficient facility which uses membrane technology and bacterial treatment of sewage from a population 300,000.
November 16, 2012



US Greenbuild International Conference and Expo 2012 San Francisco

inhabitat



TidewaterCurrent "Filterpave is a paving material made from 96% ground glass that is bound with an acrylic binder. The surface is laid in the same manner as concrete, and it's available in several vivid colors. What makes the surface so green is its ability to let rain easily percolate through—making parking lots, patios and walkways storm water management systems."
November 17, 2012



An Example of the Future of Residential Water Reuse

sustainablecitiescollective



TidewaterCurrent 11.15.12 - Illinois family recycles shower/tub water for toilet flushing. "A separate set of PVC pipes – painted light purple to distinguish them from pipes for drinking water – carry water to and from a central holding tank in the basement. That 60-gallon tank receives water from the home's showers and bathtubs, passes it through a mechanical filter to remove any loose material, and adds a mixture of chlorine diluted with fresh water to provide a basic level of disinfection suitable for flushing toilets. "

November 17, 2012



Ruby House: A Modern Passive House in the Historic Avenues District of Salt Lake City

inhabitat



TidewaterCurrent 11.13.12 - The House will be the first certified Passive House in Salt Lake City. November 14, 2012



Adapting the Built Environment for Sea Level Rise - Tidewater Current | Fall 2012

tidewatercurrent



TidewaterCurrent Amphibious and floating homes could become more widespread in the future. November 14, 2012



Beintween Recycles Old Car Tires Into 'Matireal' for Permeable Park Pathway

inhabitat



TidewaterCurrent 11.12.12 - Great permeable pathway product. "Beintween's founder Keith Hayes is currently working with the Department of Natural Resources, the Mayor of Milwaukee, and the City's Recycling Manager to divert tires, create local jobs, and implement their 'creational trail.'"

November 14, 2012



LEED for Homes Awards recipients revealed ahead of Greenbuild 2012

mnn



TidewaterCurrent 11.13.12 - USGBC announces LEED outstanding projects. "Project of the Year Award: Place of the Hidden Waters Community Longhouse, Puyallup Tribal Housing Authority; Puyallup, Wash.,,, Outstanding Multifamily Project: Eco Modern Flats, Specialized Real Estate Group (developer); Fayetteville, Ark. "

November 14, 2012



Project to turn desert green trials in Qatar - CNN.com

cnn



TidewaterCurrent 11.14.12 - "The \$5.3 million, one-hectare pilot plant opens later this month and is a major milestone of the Sahara Forest Project (SFP) -- a concept that has been developed by a Norwegian company since 2008. The facility -- built in partnership with fertilizer companies Yara International and Qafco -- will feature a range of green technologies including concentrated solar power (CSP), photovoltaic panels and a saltwater-cooled greenhouse that mimics the hydrological cycle."

November 14, 2012



These Skyscrapers Are Designed To Make You Happy If You Work In Them

fastcoexist



TidewaterCurrent 11.15.12 - Sustainability isn't just about resource efficiency but also includes the human experience. And more and more architects are designing to reflect this sentiment. At Shanghai Tower "Along with the tower's high-performance systems (which include a double skin façade, wind turbines, and a cogeneration system) is a desire to make the 20,000 people who will populate the building on any given workday feel as though they're part of a community, a vertical city."

November 15, 2012



Tour of LEED Platinum designed College Park Elementary School - Tidewater Current | Fall 2012

tidewatercurrent



TidewaterCurrent Tuesday, November 20 - 6 -7:30 p.m. - \$ Fee
November 11, 2012



A Living Green Face of 4,500 Plants Adorns Portugal's House in Travessa de Patrocinio

inhabitat



TidewaterCurrent 11.12.12 - "In addition to insulating the home and scrubbing the air clean, the lush facade gives off a wonderful aroma on every floor."
November 12, 2012

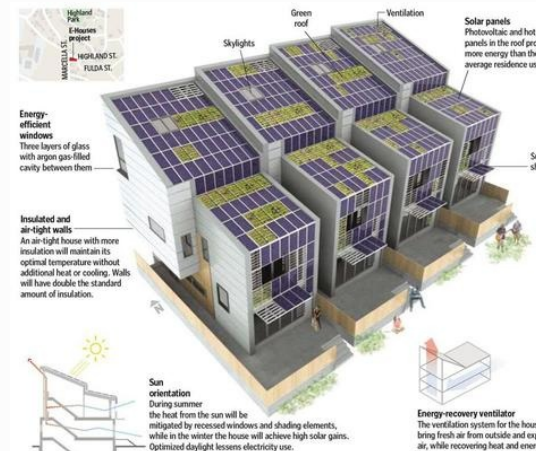


Green homes, services provide opportunity and pride for veterans

switchboard.nrdc



TidewaterCurrent 11/12/12 - Great post on green veteran projects, providing housing, food and jobs.
November 13, 2012



New homes with a surplus of energy - The Boston Globe

bostonglobe



TidewaterCurrent Mayor Menino kicks off Urbanica Project - an energy positive building program. 1800 sq. ft. town homes will be priced at less than \$450,000.
November 12, 2012



AZARNG Eco Building

flickr



TidewaterCurrent The Arizona Army National Guard's Eco Building is a centerpiece for the organization's stewardship. Constructed entirely out of tires and other recycled materials, the building is also run on alternative energy. The AZARNG hosts two or three school, scout and community groups each month for tours and lectures at its Eco Building.
November 11, 2012



Passivhaus Practitioners Share Their Success Stories

greenbuildingadvisor



TidewaterCurrent 11.9.12- Adam Cohen of Roanoke, VA speaks at Passive House New England Conference at U Mass Boston.
November 13, 2012



SOM's net zero New York school aims for "ultimate sustainability"

gizmag



TidewaterCurrent 11.8.12 - 444 Student Primary School on Staten Island will be covered on the south and rooftop with solar PV panels to provide all energy needed. The building is expected to be completed in 2015.
November 8, 2012



Honoring a sustainability champion who 'repairs the fabric of communities'

switchboard.nrdc



TidewaterCurrent 11.9.12 - Profile of affordable green housing pioneer Jonathan Rose - includes review of many projects.
November 9, 2012



A Sleek Pre-Fab Design For The Modern Homesteader: Scientific American

scientificamerican



TidewaterCurrent 11.9.12 - More on Appalachian State's Solar Homestead, which won the the popular vote in the last Solar Decathlon in Washington, D.C., and is now being marketed as a prefab by Deltec Homes. The net zero homes cost \$52,000 plus shipping and can be assembled for about \$7,000.
November 9, 2012



Solar house lights way to future

calgaryherald



TidewaterCurrent 11.9.12 - Calgary, CA- "Built in co-operation with Avalon Master Builder, SAIT Polytechnic and the Holmes Approved Homes program, the Discovery 5 house is Avalon's fifth green research home and third completely net-zero home."
November 10, 2012



Ottawa Condo Is A Model For Green Intensification

treehugger



TidewaterCurrent 11.9.12 - Seeking LEED Platinum certification "It has a wild parking garage system called 5BY2 that shuffles the cars around like one of those sliding puzzles, that uses 60% less space and keeps vehicle emissions out of the building." Video included.
November 11, 2012



Net zero energy plans at airports ready for takeoff

news.medill.northwestern.edu



TidewaterCurrent 11.8.12 - From green vegetated roofs to grazing goats, airports are looking to reduce environmental impact. "The airport that is getting closest to net zero may be Outagamie County Regional Airport in Appleton, Wis., 200 miles north of Chicago. The 8,000 square foot has just begun construction on the nation's first planned net zero airport terminal. The terminal will replace a 50-year-old existing building, and the \$3.5 million construction should be complete by July, said Matt Dubbe, an architect who worked on the design."
November 10, 2012



Self-Powering an Island with Solar and Solar Storage

greentechadvocates



TidewaterCurrent "This former transmission tower bunker in Long Island Sound will become a self-powered island home."
November 6, 2012



UniverCity plans first 'living neighbourhood'

sfu.ca



TidewaterCurrent British Columbia, Canada - Simon Fraser University plans to develop an entire neighborhood based on "Living Building Challenge" standards (reckoned to be the most stringent in sustainable design).
November 5, 2012



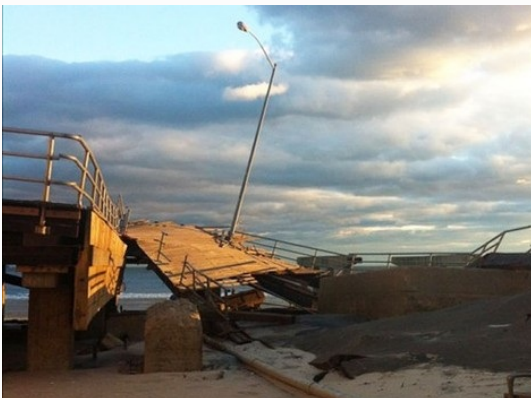
NYC Green Infrastructure Plan

Ecosystem Marketplace - Hurricane Sandy Highlights Need To Develop Green Infrastructure

ecosystemmarketplace



TidewaterCurrent 11.2.12 - Creating natural barriers and filters is less expensive than big engineering projects and there are numerous resulting benefits, including possibly lower municipal insurance rates for localities that take on green infrastructure programs.
November 5, 2012

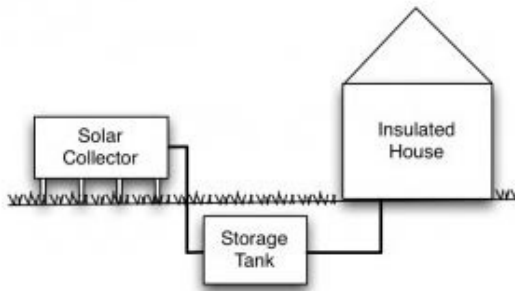


Architecture for Humanity Unveils Green Plan to Rebuild After Hurricane Sandy

inhabitat



TidewaterCurrent "Now is a great opportunity to replace old infrastructure with sustainable, low-energy, and even recycled materials that will not only last long but could even help communities by lowering energy and construction costs."
November 6, 2012



Solar Solution: Renovation showcases solar potential

solarnovus



TidewaterCurrent Storing solar thermal heat generated in the summer, provides winter heat. "The way it works is the tank is heated all summer with the solar collector, and that heat is retrieved in the winter to heat the building. A ventilator brings in fresh air, warms it, and circulates it throughout the building. Quirk said they've been through one winter with the heating system and it kept the house at 68F during the day and 65F at night with most of the heat provided by the thermal storage tank and the thermal solar collectors, with an additional 3500kWh (\$600) of electrical backup."

November 7, 2012



GOTTA BALE

dwell



TidewaterCurrent Santa Cruz Straw Bale - "Smart siting and passive design laid the groundwork, but to approach the couple's goal of making a zero-energy house, Arkin Tilt selected an Altherma air-to-water heat pump system by Daikin. "The technology has been around for decades in Europe," Tilt says, "but this is one of the first installed in California." The device draws heat from the air outside and uses it to warm water both for domestic use and to power the in-floor radiant heating on the ground floor and in the upstairs bathroom. Best of all, the electricity the system uses is offset by 24 photovoltaic panels by Sanyo on the roof."

November 5, 2012



buildings in old planes

oobject



TidewaterCurrent Here's a site with a number of recycled plane structures.

November 4, 2012



Costa Rican Hotel Made from an Old Airplane Takes Flight

inhabitat



TidewaterCurrent Recycled planes have been used in a number of housing/building projects. This is my favorite.

November 4, 2012



Iskandar Malaysia - the green mega-city rising above Singapore

guardian.co.uk



TidewaterCurrent 11.2.12 - "Occupying an area the size of Luxembourg, the site is expected to have a population of 3 million by 2025, living as an ultra-modern "smart metropolis". Energy will be provided from renewable sources, transport will be publicly provided, waste will be diverted to other uses, and the city is planned by the Malaysian government as a showcase to be copied on a bigger scale across the region."

November 2, 2012



Bullitt Center's Green Amenities include Composting Toilets

blog.seattlepi



TidewaterCurrent Seattle's "Living Building Challenge" Bullitt Center is projected to be the most sustainable building in the world when completed. "By setting the example that a six story building can successfully incorporate the use of composting toilets, the Bullitt Center hopes to establish new standards for the common office building."

November 5, 2012



Shedding light on solar energy in Hampton Roads

hamptonroads.com.nyud



TidewaterCurrent 11.3.12 - A stunning and sustainable home on the Lynnhaven River in Virginia Beach. Another snip (<http://snip.it/snips/333821>) highlights the largest solar array in Virginia sited closeby at the Norfolk Naval Station. November 3, 2012



Ten Geothermal Wells Heat and Cool this Swooping Blue Ridge House in Virginia

inhabitat



TidewaterCurrent 10.31.2 - October 31, 2012



Nelson and Pade, Inc. Installs World's First Subterranean Aquaponic System

prweb



TidewaterCurrent 10.30.12 - "The Survival Condo is an engineering marvel designed for comfortable long-term survival in a former Atlas missile silo. It offers spacious condos with many amenities including luxury living space and a community swimming pool, dog walking park, rock climbing wall, theater, general store and an aquaponic farm, among other features, all of which are underground and encompassed by walls that are 2.5 – 9 feet thick. The aquaponic systems fill two floors of what was formerly the control center and will provide a continuous supply of fresh, all natural fish and vegetables to the condo owners."

November 4, 2012



Living Homes Introduces New LEED Platinum Prefabs at Affordable Prices

treehugger



TidewaterCurrent 11.1.12 - \$145/sq. ft. Net Zero/LEED Platinum Prefab. November 1, 2012



Adapting the Built Environment for Sea Level Rise - Tidewater Current | Fall 2012

tidewatercurrent



TidewaterCurrent "Rather than retreating from inundation prone low elevations, the solution, in some situations, may be to look for ways to make accommodations to the built environment. Amphibious or floating architecture or aquatecture is one potential coping strategy." October 31, 2012



Westmoreland County couple reuse, recycle, live totally off the grid

post-gazette



TidewaterCurrent 11,1,12 - Pennsylvania - "The Carns' only routine expenses are health insurance, cell phone service and taxes. Yet the couple has modern appliances, including a computer, flat-screen television, state-of-the-art security system and even a solar-powered blender." November 1, 2012



Nice Shades: SERA Architects Update An Old Office Building In Portland

treehugger



TidewaterCurrent 10.29.12 - "The building uses 55–60% less energy than a typical office building. Its efficiency is derived in part from an exceptional façade design with shading devices...It also has a dramatic tilted hat of solar panels, has radiant cooling and heating, 160,000 gallons of rainwater storage (created out of an old rifle range) and that solar PV hat delivers 180 KW." October 30, 2012



Changing Skyline: High-quality homes for low-income Philadelphians

articles.philly



TidewaterCurrent Homes built for \$129/sq. ft. are "first in Pennsylvania to be certified by the demanding International Passive House Institute." With energy costs near zero, the families with incomes of \$25,000 will clearly benefit. October 31, 2012



Gray Goes Green: First U.S. Net Zero Senior Community Opens in Texas

cleantechnica



TidewaterCurrent 10.29.12 - 2 wind turbines and solar panels expected to provide all energy in El Paso's Paisano complex. October 29, 2012



Eco-friendly Eden: The ultra green retreat that's pure luxury (and there's a normal loo)

dailymail.co.uk



TidewaterCurrent Eco-lodge in the Yorkshire Dales has green living roofs, water from a local spring and a natural sewage treatment system.

October 29, 2012



The Costs and Benefits of Green Roofs

sustainablecitiescollective



TidewaterCurrent 10.25.12 - Good article - While expensive upfront, the total life cycle cost is often lower for a green roof than a traditional roof. A vegetated roof reduces heating and cooling costs, improves air quality and stormwater runoff is retained cooling the surrounding atmosphere and can be captured for reuse. Author quantifies benefits and notes that "The Target Center Arena Green Roof retains and evapotranspires more than a million gallons of water per year"

October 26, 2012



Non-Profit to Buy A Block of Frank Lloyd Wright

archdaily



TidewaterCurrent 4th Home purchased in Milwaukee. Non-profit is hoping to purchase an additional 2 FLW homes on the same block to create an interpretive center open to the public.

October 25, 2012



Bicycling, Transit, & Public Space Initiatives Boost Local Economies & Businesses, New Report Finds

cleantechnica



TidewaterCurrent 10.26.12 - "A new report released on Wednesday by New York City's Transportation Department finds that one clear and perhaps under-the-radar benefit of bicycle lanes, pedestrian plazas, and rapid-transit bus systems is that the businesses that are located near this infrastructure often experience a significant increase in customers."
October 26, 2012



CREE Brings Wood and Concrete Hybrid Construction To North America

treehugger



TidewaterCurrent 10.30.12 - "We have a huge problem in our forests; if we don't chop the beetle infested wood down and use it, then it will rot in place, releasing all that CO2 that was absorbed in its growth. Building out of wood could use a lot of it up, sequestering that CO2 for the life of the building. CREE technology is a step in the right direction."
October 30, 2012



Pictures: Amsterdam's Lean, Green Shipping Container Homes

environment.nationalgeographic



TidewaterCurrent

October 21, 2012



With Shining Views, Poquoson Community Focuses on Sustainability - TidewaterCurrent.com

tidewatercurrent



TidewaterCurrent Poquoson community was just featured in the Hampton Roads Solar Tour this month. Here's a link to a post written about the Solar Atrium homes last year.

October 23, 2012



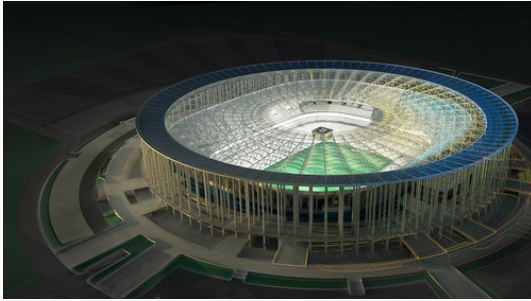
Kansas Project Taps Into Solar and Geothermal Energy for Nearly Net Zero Living

ecohomemagazine



TidewaterCurrent 10.22.12 - "For the suburban infill project in Leawood, Kansas, Davison relied on a combination of R-40 SIPs construction, plentiful R6 windows, radiant-heat floors, and a large solarium designed to be closed off from the rest of the house during extreme temperatures. "

October 22, 2012



The First Net-Zero-Energy Stadium Will Be In The Next World Cup

fastcoexist



TidewaterCurrent 10.24.12 - LEED Platinum status will be achieved with rooftop solar PV; VIP bicycle parking ; a photocatalytic membrane that removes air pollutants; rainwater collection and recycling system for landscaping use and low-flow water fixtures; and repurposing materials from the old stadium in the new one.
October 24, 2012



Building up, not selling out: Can denser cities save family farms?

grist



TidewaterCurrent 10.22.12 - Interesting - By instituting "transfer of development rights" programs, cities can increase inner city density and preserve rural property. In exchange for say building a taller building than allowed, the developer puts money into a fund that buys the development rights in outlying rural areas which help stop sprawl and preserve farm land and open space.
October 22, 2012



Green Real Estate: Homes Made Mostly From Recycled Materials -- AOL Real Estate

realestate.aol



TidewaterCurrent Includes a fantastic slideshow of homes made from recycled materials including bottles (plastic and glass), beer cans, airplanes and a roof made from discarded license plates.
October 19, 2012



First "Net Zero" Visitor Center Makes NPS Greener

[nationalparkstraveler](#)



TidewaterCurrent 10.22.12 - LEED Platinum Certification. "The King Gillette visitor center is "net zero site energy," meaning it produces and exports at least as much renewable energy as the total energy it imports and uses in a year. The building boasts a mix of both new technology and older insights into green building: photovoltaic panels, LED lighting, geothermal heating and cooling, as well as a use of natural light and green building materials"
October 22, 2012



Is Off-the-Grid Living the Future of Housing? -- AOL Real Estate

[realestate.aol](#)



TidewaterCurrent 10.18.12 - "Currently, there are already 750,000 off-grid households in the United States, with that number increasing 10 percent each year, he said. Companies like GE and IBM have gone so far as to predict that within a decade, up to half of American homes will be generating their own renewable electricity."
October 19, 2012



Windtower

masdar.ac.ae



TidewaterCurrent Cool air from above is directed to ground level with the wind tower in Masdar City.
October 20, 2012



Balance Associates Architects' Capitol Hill Residence is an Energy-Efficient Home Perched High Above Seattle

inhabitat



TidewaterCurrent 10.19.12 - "Besides the passive daylighting designs incorporated throughout the home and rainwater collection, the building includes many active sustainable systems. Hidden on the roof is a 30 panel photovoltaic system which feeds back to the grid. Also, a buried geothermal well and heat pumps provide aid for both the heating and cooling system. External solar shades, high levels of insulation, and low-e glazing also help to reduce energy consumption."
October 20, 2012



GREENville House / Tonic Design

archdaily



TidewaterCurrent "A structural system holding photovoltaic panels and perforated screens is responsible for creating the home's energy and hot water while shading openings to alleviate unnecessary heat gain. The building's orientation on the site utilizes the maximum potential of the photovoltaic technology, decreasing the overall load on the geothermal HVAC system."

October 20, 2012



The Year of Porous Asphalt: Salem, Oregon Proves Trend -- Water-absorbing Pavement is Vogue in 2012 | PRNewswire | Rock Hill Herald Online

heraldonline



TidewaterCurrent 10.15.12 - Porous pavement projects have demonstrated it is an effective tool for storm water management. In addition to improving water quality in nearby waterways and controlling flooding, it retains less heat and has less of a contribution to the urban heat island effect. Several projects are discussed - author notes that sand should not be used on these roads as it will eventually clog the surface.

October 20, 2012



Jennette's Pier honored as a 'green' facility

hamptonroads



TidewaterCurrent 10.18.12 - OBX pier awarded LEED Platinum - "The pier has its own reclaimed water system, geothermal capabilities and three wind turbines that supplement its power usage."

October 18, 2012



California Community College To Be America's First Self-Sustaining School

cleantechnica



TidewaterCurrent 10.15.12 - Net Zero & LEED Platinum planned campus in Palm Springs will include design innovations to create shade while storm water will be captured and stored for evaporative cooling as well.

October 18, 2012



5 Remarkable Recycled Homes

greenbuildingelements



TidewaterCurrent
October 18, 2012



MCRD's ecologically-friendly water treatment system

cbs8



TidewaterCurrent 10.15.12 - Charlottesville's Worrell Water installed an ecological waste water treatment system referred to as a "Living Machine" at the Marine Corps Recruiting Depot in San Diego. The ribbon cutting ceremony was this week for the system which uses plants to treat wastewater.

October 19, 2012



Balsa bridges, with a twist

phys



TidewaterCurrent 10.19.12 - "Besides being lighter, this composite construction is not subject to corrosion, the main cause of deterioration of concrete structures...Prefabrication in a factory further increases its quality, improving safety and longevity, while speeding up the onsite installation."
October 19, 2012



Blackbirds Development: A Woonerf For Los Angeles? «

earthtechling



TidewaterCurrent 10.16.12 - LA housing complex being designed to give priority to cyclists and pedestrians.
October 17, 2012



Green Roofs Have Another Benefit: Improved Solar Production

sustainablebusiness



TidewaterCurrent 10.18.12 - "Toronto requires green roofs on all new buildings with a floor area exceeding 2,000 square meters. It offers a cash rebate of \$50 per square meter, up to a \$100,000 maximum per project."
October 19, 2012



House in Bioclimatic Experimental Urbanization by Jose Luis Rodriguez Gil

inhabitat



TidewaterCurrent Canary Islands
October 15, 2012



Large harbor floating wetland project stirs debate

baltimoresun



TidewaterCurrent 10.14.12 - A marina owner in the harbor, who cannot rent space wants to take on this project to improve the harbor. Environmental groups and scientists support the project as it would restore habitat and remove nutrients and likely impact water quality, but regulators are holding this project up.
October 15, 2012



Bensonwood Launches Unity Homes Line of Energy-Efficient Prefabs

inhabitat



TidewaterCurrent 10.16.12 - Net Zero /Passive House Prefabs - "Completed elements are flat-packed and shipped to the site where they are unpacked and assembled in 1-3 days. In total, from fabrication to completion a Unity Home takes as little as 20 to 60 working days."
October 17, 2012



Autarkhome: Sustainable Floating Passivhaus

jetsongreen



TidewaterCurrent 10.14.12 - Self sufficient floating home produces all energy on site and captures and treats rainwater for use. Will have to investigate beyond this piece to find out how waste water is handled. After building and showing the prototype, there is big demand in the Netherlands for this home design.
October 17, 2012



What do we mean by green? Chicago's Greenest Street

wbez



TidewaterCurrent 10.10.12 - Cermak Road, Chicago - Greenest Street in America. With solar and wind powered LED lighting along roadways made from recycled materials and 80% permeable, storm water runoff and energy usage is significantly reduced. In addition, some of street pavers are made with photocatalytic cement, which breaks down air pollutants and thereby cleans the air.
October 13, 2012



Pre-Fab Fantasy: The Starck+Riko Timber Eco-Home

designbuildsource.com.au



TidewaterCurrent 10.8.12 -

Customizable sustainable prefabricated wooden house with rooftop PV and wind turbine insulated with wood fiber or paper pulp takes only 4-7 days to build. A prototype is being built in Versailles, France.
October 11, 2012



For the upwardly mobile Hobbit: The Swiss eco-homes that look like they're straight out of Lord Of The Rings

dailymail.co.uk



TidewaterCurrent 10.12.12 -

Dietikon, Switzerland - Earth Houses - integrating architecture with nature. Lots of photos.
October 13, 2012



Cargo-tecture - Savannah Magazine

savannahmagazine



TidewaterCurrent 10.8.12 - "Look to purchase a container for \$500 to \$1,000 and convert it to livable space for \$73 to \$90 per square foot. Compare that to \$200 per square foot on average for new construction."
October 13, 2012



The \$55K, 2,900-square foot, eco-friendly home – with no electricity bills

theglobeandmail



TidewaterCurrent 10.10.12 - "To build their dream home on a patch of farmland in Southern Ontario, Craig and Connie Cook had to source 1,200 old tires. Packed with dirt, they are the bricks of their "earthship" – an off-the-grid home made of recycled materials, in which the main source of heat is the sun."
October 13, 2012



The Diamond Building: A Jewel of Green Design - Top Prize at ASEA Energy Awards 2012

designbuildsource.com.au



TidewaterCurrent 10.12.12 - The self shading building in Malaysia reduces the transfer of heat through solar radiation while providing for natural lighting. A natural cooling system embedded in the concrete floor slabs cools the building during the night and thereby brings down daytime temperatures. And rainwater harvesting provides 70-80% of water consumed.

October 12, 2012



It's not easy getting green homes appraised

articles.chicagotribune



TidewaterCurrent "Appraisers are slowly getting up to speed. Since 2008, almost 4,900 appraisers nationally have participated in 275 courses on green and energy-efficient valuation conducted by the Appraisal Institute trade group. Still, green home appraisals continue to be difficult, in part because there are few comparable sales but also because the building technology is changing. That makes it hard for appraisers to value — and for lenders to accept those higher values — home features that can run the gamut from rain barrels to a tankless water heater to a whole-house geothermal heating system."

October 13, 2012



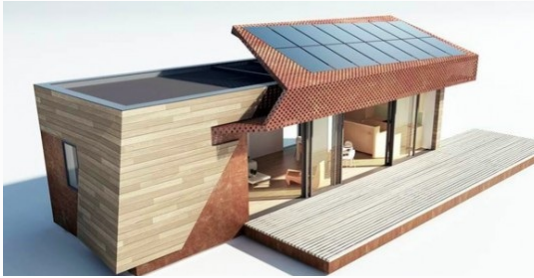
The US Simplifies Low Energy Design

designbuildsource.com.au



TidewaterCurrent 10.10.12 - American Institute of Architects has released a new guide entitled "An Architect's Guide to Integrating Energy Modeling in the Design Process" which outlines the process for integrating energy reduction strategies.

October 10, 2012



Paradigm is a Sustainable Prototype Prefab

jetsongreen



TidewaterCurrent 10.10.12 - Constructed by Seattle's Method Homes, this prefab includes "a super-insulated envelope, wooden cladding and decking, rooftop solar, a ductless mini-split HVAC system, HRV ventilation, bamboo floors and cabinets, LED lighting, home automation, rainwater harvesting, a greywater system, and a composting toilet, etc."
October 10, 2012



Panasonic's Next Product: A Small Green Town - Forbes

forbes



TidewaterCurrent 10.9.12 - Smart city initiatives are not all that unique, There are potentially hundreds of projects globally, although so far it is generally the community, government or utility that is instituting the program. In Japan, it's being done at the corporate level. Panasonic is planning a green district in the Fujisawa.
October 11, 2012



Solar Decathlon Home Hits the Market

ecohomemagazine



TidewaterCurrent 10.10.12 - Appalachian State's entry in last year's Solar Decathlon won the People's Choice Award in the Competition and is now being marketed as modular construction by Deltec Homes. Deltec will pay royalties from the sale of the Net Zero "Solar Homestead" homes to the University for sustainable design and research projects. Photos and links included.
October 11, 2012



Craig Henritzy's SunHawk House in Mendocino County is an Off-Grid, Solar-Powered Home

inhabitat



TidewaterCurrent "In addition to being energy-independent, the home is made from recycled materials. The structure is made from Rastra block, a material that's made of 85 percent recycled Styrofoam and 15 percent cement. The roof shingles are made from recycled tires; much of the wood used throughout the home was reclaimed; and an ingenious sun screen over the patio is made from recycled irrigation pipes"
October 10, 2012



Top Marks for Unique Student Housing Architecture

designbuildsource.com.au



TidewaterCurrent 10.11.12 - "French architectural firm Olga architects were some of the first designers to bring shipping container architecture back into the mainstream consciousness with their sustainable student housing development 'Crou' located in Le Havre, France. Using 100 recycled shipping containers the designers created a 2,851 square metre structure that offers students a comfortable place that lodge that is responsible in its environmental positioning and unique in its look and feel."

October 11, 2012



Hudson home a green paradise

[montrealgazette](http://montrealgazette.com)



TidewaterCurrent Rammed earth - passive house boasts solar panels, year round green house, rainwater capture for use in toilets and garden, geothermal and solar thermal heating with radiant floors and a soapstone wood stove.

October 9, 2012



Coping with Climate Change: Green Roofs of Chicago | PBS NewsHour | Oct. 8, 2012

[pbs](http://pbs.org)



TidewaterCurrent Full report on Tuesday's News Hour (Oct. 9) - Includes links to images.

October 8, 2012



Fairfax County woman builds livable 'tiny house' as part of sustainability movement

washingtonpost



TidewaterCurrent 10.9.12 - Environmental Management student builds mobile tiny (210 sq. ft.) house. Can be totally off-grid or use RV hookups.
October 10, 2012



Green Energy Ohio Tour 2012: Horticulture Business Relies on Solar, Wind Energy for Year-Round Food Production

cleantechnica



TidewaterCurrent 10.9.12 - Rain Fresh Harvest Greenhouse in Ohio grows produce year round off the grid.
October 9, 2012



American Rivers | Transforming Urban Gardens

[americanrivers](#)



TidewaterCurrent 10.9.12 - The Milwaukee sewage district green infrastructure partnership funded an urban community garden that included a pervious concrete system and a storm water collection and treatment system for use in community gardens (water that would otherwise flow into Lake Michigan).
October 9, 2012



Bank builds wall of (living) green - More than 500 planters grace PNC's downtown headquarters

[articles.baltimoresun](#)



TidewaterCurrent Baltimore, MD
PNC bank boasts 84 by 24 foot living wall.
October 9, 2012



Can Integrated Photovoltaics Boost The Construction Industry?

[designbuildsource.com.au](#)



TidewaterCurrent Pike Research reports that the BIPV market will quadruple by 2017.
October 7, 2012



Dominion Supports W & M Eco Village Project - Tidewater Current | Fall 2012

tidewatercurrent



TidewaterCurrent 10.7.12 - A \$45,000 grant from the utility and foundation will support student and faculty projects to assess eco village plans.

October 7, 2012



Peoples Meeting Dome by Kristoffer Tejlgaard & Benny Jepsen

frameweb



TidewaterCurrent Prefab modular construction with PVC film provides exterior views and lets light in.

October 4, 2012



L.A. Bulldozes Foreclosed Homes To Create More Urban Green Space

fastcoexist



TidewaterCurrent "Under its 50 Parks Initiative, L.A. is converting 50 foreclosed homes--often with bulldozers--into small pocket-sized parks in neighborhoods most in need"

October 8, 2012



PSU Professors Make Affordable Green Portable

opb



TidewaterCurrent Gervais school district plans to purchase 20 green portable classrooms developed at Portland State University. A little pricier than conventional portables, \$75,000 versus \$60,000, they are light filled, thermally comfortable and well ventilated inviting spaces. Instead of dreading a portable room assignment, kids may seek assignment to these classrooms.

October 7, 2012



Australia's first bushfire resistant straw house to be built

phys



TidewaterCurrent 10.4.12 - Joost Bekker has been building green vegetated straw bale structures in Australia and when commissioned to build one in a fire prone region, he had the design tested for its ability to withstand fire. It performed, showing it is fire resistant.
October 8, 2012

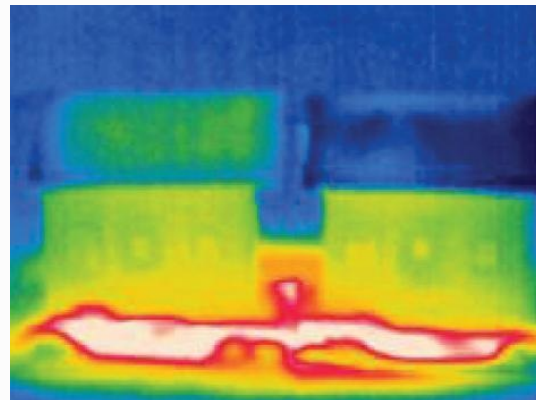


ReSpace Competition Blends Design with Reuse - Earth911.com

earth911



TidewaterCurrent View noteworthy design submissions.
October 4, 2012



Newly developed synthetic mat could one day cool buildings

phys



TidewaterCurrent 10.2.12 - Mimicking the human process of sweating, a polymer roofing material could keep homes much cooler by sweating when its hot.
October 2, 2012



UK to have its first building made entirely out of waste

guardian.co.uk



TidewaterCurrent 10.3.12 - "The UK's first building to be made onsite entirely out of waste is to be built in Brighton this autumn....The building will feature the latest eco technologies such as fully integrated solar panels, whole-house ventilation and a heat recovery system. It will be used throughout its lifespan as a pilot for prototype construction systems, components and technologies."
October 3, 2012



Behind the scenes at Slip House

architectsjournal.co.uk



TidewaterCurrent 10.3.12 - "Planks of translucent glass by Linit clad the exterior transmitting light to the interior without compromising privacy. Slip House is also a vehicle for the practice's in-house research into sustainable design and incorporates an innovative PV-T array (joint PV and solar thermal) connected with a ground source heat pump."
October 4, 2012



Living Future Institute starts label for green building materials | Sustainable Business Oregon

sustainablebusinessoregon



TidewaterCurrent A database of Declare-approved products will be available online in a database. October 4, 2012



Multi Use Infrastructure at Its Most Innovative

dirt.asia



TidewaterCurrent 10.4.12 - NYC Water treatment plant and public park/golf course combined. Design integrates stormwater management with public amenities. October 4, 2012



2012 Solar Decathlon Europe: And the winner is ...

mnn



TidewaterCurrent 10.1.12 - Caopea by Team Rhone-Alpes . October 2, 2012



Building Better Cities: Global Lessons From Velo-City 2012

momentummag



TidewaterCurrent

October 2, 2012



Cleaning the urban environment with "sustainable backyards"

switchboard.nrdc



TidewaterCurrent 10.2.12 - Chicago program provides a 50% rebate for installation of native trees and plants, compost bins and rain barrels.

October 2, 2012



Exploratorium aims for net-zero energy use

mnn



TidewaterCurrent San Francisco's science museum looks to be the first net zero museum in the Nation.

October 2, 2012



A Man-Made, Net-Zero Energy Island Off the Coast of Istanbul

theatlanticcities



TidewaterCurrent With a massive canal planned between the Black Sea and the Sea of Marmara, a Turkish developer has proposed the creation of a net zero energy island with the excavation material.

October 2, 2012



A Means to an End: Focus on sewers leads to cleaner Onondaga Lake

blog.syracuse



TidewaterCurrent Last year Syracuse's Save the Rain Campaign funded 50 green infrastructure projects including living roofs, porous pavement, rain gardens, bioswales and cisterns that are expected to capture 43.6 million gallons of stormwater annually.
October 1, 2012



Solar Decathlon: German Team Takes Top Prize In Engineering «

earthtechling



TidewaterCurrent
September 28, 2012



Infrastructure Sustainability Rating Scheme Launched In SA

designbuildsource.com.au



TidewaterCurrent 9.30.12 South Australia has developed an infrastructure rating system to measure sustainability and drive innovation in land use planning.
October 1, 2012



Missouri's 'Dancing Rabbit' Ecovillage (Off the Grid) -- AOL Real Estate

realestate.aol



TidewaterCurrent 9.28.12 - " Small village made up of unusual-looking earthen structures. No-frills homes constructed entirely from recycled materials, reclaimed lumber, straw and cob; homes outfitted with solar panels or small wind turbines. ...Since the Ecovillage's establishment, its residents have planted over 10,000 trees onsite"
September 30, 2012



Britain's first carbon negative street - where toilets are flushed with rainwater and there is even a hotel for bugs

dailymail.co.uk



TidewaterCurrent "The carbon negative homes generate more energy than they need and are made of natural materials like timber, hemp insulation and lime render....communal biomass boilers burns wooden pellets to provide heating and hot water for the residents"

September 29, 2012



Jasper to establish first living building portable classroom

edmontonjournal



TidewaterCurrent 9.30.12 - Seattle architect established the Sprout Collective last summer to initiate a student program called Project SEED (sustainable education every day). Their first project is the \$200,000 prefab "Living Building" classroom in Jasper. Energy and water are collected on site and waste is composted. Her hope is that these classrooms will be planted all over the world.

October 1, 2012



Skyfarming prototype? 8-story, climbable vertical garden in Barcelona

youtube



TidewaterCurrent Video - 70 foot high garden tower accessible by interior staircase

September 25, 2012



Building Blocks for Sustainable Communities unveiled by the EPA

hydrogenfuelnews



TidewaterCurrent 9.29.12 - EPA program initiated to assist communities develop green infrastructure and clean energy initiatives that protect air and water quality including bike share programs. Communities can apply for assistance. until Oct. 26. 44 communities will be selected.
September 29, 2012



Adapting the Built Environment for Sea Level Rise - Tidewater Current | Fall 2012

tidewatercurrent



TidewaterCurrent Amphibious and floating homes could become more widespread in the future.
September 26, 2012



International parking event brings urban green space downtown

thedaonline



TidewaterCurrent 9.24.12 - West Virginia architecture students participate in global event to bring green space into downtown urban areas. The Park(ing) Day event celebrated for the first time in Morgantown is was also celebrated in 35 other countries.
September 24, 2012



Facades that Reverse the Signs of Carbon

designbuildsource.com.au



TidewaterCurrent 'Carbon-cleansing' design included in the retrofit concept for Chicago's Marina Tower. The facade is aesthetically pleasing and provides insulation in addition to removing pollutants from the air.
September 27, 2012



Net-Zero Energy Homes in Grow Community

jetsongreen



TidewaterCurrent 9.20.12 - Bainbridge Island, WA- "The eight-acre project is the first residential One Planet Community in North America (issued by U.K. non-profit BioRegional). However, in addition to this recognition, the aim is net-zero homes and an entirely net-zero energy community by 2020."
September 21, 2012



Hampton Roads Solar Tour
October 6th & 7th 2012

www.HRSolarTour.com
(757) 241-6732

**HAMPTON ROADS
GREEN BUILDING
COUNCIL**



**FREE Hampton Roads Solar & More Tour - Saturday & Sunday
October 6 & 7 - Tidewater Current
| Summer 2012**

tidewatercurrent



TidewaterCurrent In conjunction with the American Solar Energy Society's National Home Tour, folks across the country including Tidewater will have the opportunity to view and investigate local green building technologies incorporated into homes and businesses the first weekend of October. This free local tour organized by the Solar Group of the Hampton Roads Green Building Council is scheduled for two days - Saturday October 6 for sites on the middle Peninsula and Southside and Sunday October 7 for sites on the Peninsula. Approximately 30 locations are featured on the tour. In addition to passive solar design, PV and solar thermal systems, attractions include a wind turbine, green (living) roofs, water catchment systems, ICF construction, spray foam insulation, and in-floor radiant heating. This is a self-guided tour. Simply visit the...
September 24, 2012



The World's Largest Living Wall Flourishes With 44,000 Plants at Milan's Il Fiordaliso Shopping Center!

inhabitat



TidewaterCurrent 9.19.12 - The walls span 13,594 sq. feet.
September 20, 2012



Chemical-free swimming pools are teeming with life | SmartPlanet

smartplanet



TidewaterCurrent 9.17.12 - Instead of chemicals, plants and microorganisms flourish and filter nutrients from pool water. Includes a photo gallery.
September 18, 2012



A Quaker Meeting House That's Friends With Nature «

earthtechling



TidewaterCurrent 9.20.12 - This LEED platinum building incorporates ceiling planes which allow natural daylighting.
September 20, 2012



Arkadien Winnenden is a Family & Earth Friendly Eco Village Near Stuttgart, Germany

inhabitat



TidewaterCurrent 9.18.12- Affordable, sustainable community built on the site of a former factory.
September 19, 2012



Behind the Green Building Home of the Year

designbuildsource.com.au



TidewaterCurrent 9.19.12 - Australia's Green Smart Home of the Year. The net zero home built using recycled materials demonstrates a reverse brick veneer construction of the external walls. This allows the heating and distribution of heat to the interior of the house in winter and in the summer months heat is transferred down to the ground.
September 19, 2012



Siemens opens up The Crystal to promote greener cities

businessgreen



TidewaterCurrent 9.19.12 - By the Cable Car Station, Royal Docks, East London - The Crystal opened today with interactive exhibitions showcasing sustainable development. The building has achieved BREEAM and LEED certification and includes a green "living wall", solar panels and a rainwater harvesting system. Video included.
September 20, 2012



Homes With Living Roofs - Forbes

forbes



TidewaterCurrent 9.16.12 - Great Slideshow of several homes with green living roofs. Pictured is Meera Sky Garden House, Singapore.
September 16, 2012



Bustler: RIBA Manser Medal 2012 Shortlist for Best New House

bustler



TidewaterCurrent 9.17.12 - "The Royal Institute of British Architects has announced the shortlist for the RIBA Manser Medal 2012 for the best new house"
September 17, 2012



Indian River School District hopes to save money with thermal energy storage plant

tcpalm



TidewaterCurrent 9.14.12 - Vero Beach, FL - "With thermal energy storage, water is frozen at night and stored in large tanks. During the day, the chilled water is pumped back through the system to operate the school's air-conditioning." The system will cost \$3.5 million to install and is expected to save over \$30,000 per month which equates to an 8.6 year payback.

September 15, 2012



Micro-Algae Tested for Green Building Facades

ecohomemagazine



TidewaterCurrent 9.17.12 - New facade system developed in Germany uses louvers that grow micro-algae. Algae in the bioreactors (louvers) grow faster in bright sunlight creating needed shade and reducing cooling demand. The algae can also be harvested for energy.

September 17, 2012



Sanitov Unveils Eco-Lux Floating Home at This Year's London Design Festival

inhabitat



TidewaterCurrent 9.15.12 - Wow. With 2 floors this 3 bedroom 2 bath highly efficient well sealed floating home is solar powered and boasts an interior green living wall while a green roof is also planned for the terrace.

September 16, 2012



The Energy Plus Home: Villa Åkarp Advances Sustainable Construction – ecomagination

ecomagination



TidewaterCurrent 9.8.12 - "There are LEED-certified buildings and there are zero-energy buildings. And then there's Villa Åkarp outside of Malmo, Sweden—an energy-plus residential home. In other words, a home that produces more energy than it uses."

September 12, 2012



Tunnel Vision: Subterranean Park to Stay Sunny with Fiber-Optic Skylights [Slide Show]: Scientific American

scientificamerican



TidewaterCurrent 9.14.12 - "Given the absence of ambient natural light, "remote skylight" technology developed by Lowline co-founder James Ramsey will be critical to the park's success. The remote skylight will use a reflective, parabolic solar collection dish outdoors to gather and concentrate sunlight. This dish will have a tracking mechanism so it can follow the sun across the sky. Fiber-optic cable will transmit captured solar radiation to the park; a series of domelike fixtures will use lenses and reflectors to distribute the light throughout the Lowline."

September 17, 2012



NZ: Automated Green Parking System

designbuildsource.com.au



TidewaterCurrent 9.12.12 - In addition to a number of sustainable features, like double walls that trap heat in winter and can be opened during the summer for better ventilation, this office building hosts an automated parking structure. September 12, 2012



MMSD chief invited to White House to talk green - JSONline

jsonline



TidewaterCurrent 9.11.12 - Milwaukee planner will talk about his vision for green infrastructure, including living and permeable urban landscapes that minimize stormwater runoff and limit pollution of waterways. His hope is that some kind of federal tax credit will be developed to encourage community participation, like those offered for energy efficiency or renewable energy projects.

September 14, 2012



New Net-Zero Homes in Philly

cleantechnica



TidewaterCurrent "The townhomes were designed and built to feature a wide variety of green technology: geothermal heat pumps, photovoltaic solar panels, super insulated building shells, rooftop gardening, water reclamation, state of the art electronic, web-based controls and monitoring systems, and Energy-Star rated appliances."

September 12, 2012



Living Machine System Selected for Wastewater Recycling at NewPennsylvania School; Largest On-Site Wastewater Reuse System Permitted in State of Pennsylvania

marketwatch



TidewaterCurrent 9.11.12 - Ecological water treatment employed at Evergreen Elementary designed and installed by Charlottesville, VA company Worrell Water. More on Living Machines in this collection. September 13, 2012



Cultivated take on urban design

theage.com.au



TidewaterCurrent CJ LIm designs eco urban cities for China and Korea that incorporate agriculture. September 10, 2012



Net Zero Homes Headed Way Down South «

earthtechling



TidewaterCurrent 9.13.12 - 2 geo-solar communities are being developed in South Carolina. "Both of the communities under development will feature geothermal ground source heat pumps, photovoltaic solar panels, super insulated building shells, and state of the art electronic and web-based controls and monitoring systems. These home energy management systems will help to put info regarding each home's energy usage and generation directly in the hands of the homeowner, and Energy-Star rated appliances will help to keep energy demands to a minimum."
September 13, 2012



Doe Bay Cottage Prefab on Orcas Island

jetsongreen



TidewaterCurrent 9.6.12 - Washington vacation home has solar thermal collectors and hydronic in floor heating, PV system & more.
September 10, 2012



Innovation Down Under Could Mean Off-Grid AC «

earthtechling



TidewaterCurrent 9.7.12 - Engineering student at the University of Queensland, Australia, has developed a more efficient absorption chiller but is looking to create one that will run off the grid entirely.
September 10, 2012

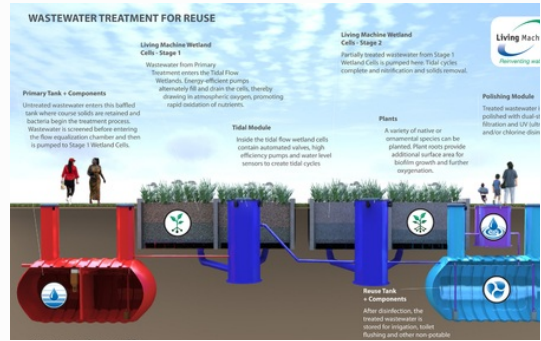


Cooling Down Urban Heat Islands : Discovery News

news.discovery



TidewaterCurrent 9.10.12 - A number of US cities, like Louisville, are warming up, especially at night. Trees, gardens, rooftop plants, reflective paint and porous cement will help slow the trend.
September 11, 2012



A LOOK AT LIVING MACHINE SYSTEMS

dwell



TidewaterCurrent Living machines are essentially constructed wetlands that filter pollutants from waste water. The technology developed some 25 years ago was first used commercially at the Ben and Jerry's ice cream plant in Vermont to treat waste water. It has since been licensed and adapted by a Virginia Company, Worrell Water, to treat water in commercial buildings.
September 10, 2012



Collision Works is a Boutique Shipping Container Hotel Slated For Detroit

inhabitat



TidewaterCurrent 9.7.12
September 7, 2012



McGee Salvage House in Berkeley, CA

Iwarc



TidewaterCurrent "Over 100 salvaged car roofs cover the upper walls of this house. The roofs were sawed out of grey cars left for parts in local junk yards. The lower walls are clad in poplar bark, a waste product from the furniture industry of North Carolina. The awnings are fabricated from junked Dodge Caravan side windows."

September 11, 2012



Nomura's UK Headquarters is London's First Carbon Neutral Building

inhabitat



TidewaterCurrent 9.7.12 - With passive solar design and louvered shading structures, energy requirements are cut by half compared to a conventional structure. Rooftop greenery also helps reduce energy demand, and all necessary electricity is provided on site with PV panels.

September 7, 2012



Is London Serious About Building a Network of Elevated Bike Lanes?

theatlanticcities



TidewaterCurrent 9.6.12 - SkyCycle paths (a cycling highway) envisioned by Sam Martin of Exterior Architecture has received attention from the Mayor of London and meetings are moving forward with the company that owns the city's overground infrastructure. More on cycling in Clean - Eco Transport collection.
September 7, 2012



Unusual demonstration project looks to promote the growth of urban trees

news.stlpublicradio



TidewaterCurrent 9.6.12 - St Louis - Silva cells which allow trees to grow and thrive in an urban environment are being incorporated into a demonstration project to reduce urban runoff, flooding and pollution of waterways. Porous pavement is also being poured at the site.
September 7, 2012



Woollahra House 11 by Grove Architects » CONTEMPORIST

contemporist



TidewaterCurrent 9.7.12 - All rain water is collected and heat and hot water are provided via thermal collectors. Designed to capture northerly breezes, there is no mechanical cooling system. Gardens also have been incorporated into the living space.

September 9, 2012



Campus RainWorks Challenge

water.epa.gov



TidewaterCurrent 9.4.12 - EPA program invites university student teams to submit green infrastructure plans for cash awards.

September 7, 2012



Prague's newest eco building and its impressive green roof

greenerideal



TidewaterCurrent
September 6, 2012



Five Of The Greenest Buildings In The World

earthtechling



TidewaterCurrent 9.2.12 - The Crystal, London, is one of the five selected by EarthTechling editors. Opening Sept. 19, the Siemens showcase building will not use any fossil fuels for power. Solar panels cover the rooftop and a geothermal system is also in place. Most notably, all the wastewater will be treated on site.

September 4, 2012



Japan's Omotenashi House to Promote a Self-Sufficient Lifestyle at 2012 Solar Decathlon Europe

inhabitat



TidewaterCurrent 9.5.12 - Solar provides all the power and food too. A green curtain surrounds the structure, providing shade and produce. A veggie factory is also incorporated indoors on shelving in a wall with LED lighting and a rice paddy is included instead of a lawn

September 5, 2012



Five Of The Greenest Buildings In The World

earthtechling



TidewaterCurrent 9.2.12 - The Crystal, London, is one of the five selected by EarthTechling editors. Opening Sept. 19, the Siemens showcase building will not use any fossil fuels for power. Solar panels cover the rooftop and a geothermal system is also in place. Most notably, all the wastewater will be treated on site.

September 2, 2012



Ultra Green Condo Building is Coming to Brighton Beach

ny.curbed



TidewaterCurrent 9.4.12 - NY - Bright N'Green has 6 units for sale and sports solar panels, wind turbines and a grey water recycling system.
September 4, 2012



Portland's largest green roof will be on a Walmart | SmartPlanet

smartplanet



TidewaterCurrent 8.28.12 - There are a lot of green roofs in Portland. The planned 40,600 sq. ft. living roof will not only be the biggest in Portland, but the biggest in the state.
August 29, 2012



Durst Tower to Give Green a New Shade

online.wsj



TidewaterCurrent 9.5.12 - Durst, the company that built the first LEED Platinum skyscraper will not seek certification for its next project, a residential building on 57th St. The company finds LEED too confining and will employ its own environmental standards. "Among the innovations that Durst wishes to include that it says aren't currently covered by LEED are using recycled water from a next-door building in the toilets; using a central heating and cooling system rather than one for each apartment; and piping in outside air, which consumes more energy but enhances quality of life for residents."
September 6, 2012



World's longest recycled bridge spans Scottish river - CNN.com

edition.cnn



TidewaterCurrent Rutgers University researcher developed recycled composite plastic that has great strength and is not as likely to degrade as steel, timber and concrete, so it is ideal for bridge construction.

August 29, 2012



National Fish and Wildlife Foundation | EPA Administrator Announces Local Governments Receiving Technical Assistance for Green Infrastructure Projects

nfwf



TidewaterCurrent City of Hampton, Virginia - The City will adapt the Virginia highway beautification program to include bioretention and other innovative stormwater practices in medians and rights-of-way. The City of Hampton will service as a demonstration for a model to be scaled up throughout Virginia and elsewhere.

August 28, 2012



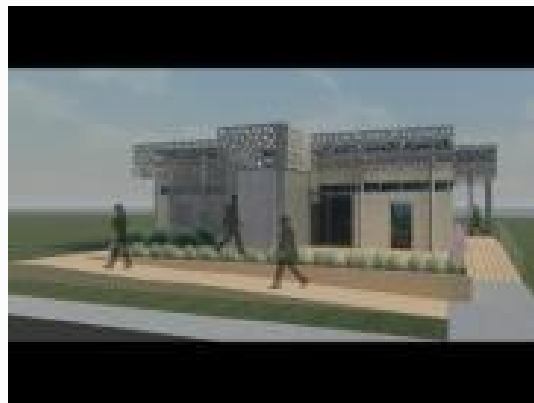
CEED earns platinum energy certification - The Franklin News Post

thefranklinnewspost



TidewaterCurrent 8.29.12 - LEED Platinum certification awarded to Virginia School. Designed by Adam Cohen, the school also meets Passive House standards.

August 30, 2012



Shedding Light on the Solar Decathlon 2013 Teams

energy.gov



TidewaterCurrent 8.29.12 - Conceptual image of the Team Tidewater Entry shown. The DoE site includes a listing of all the teams competing in the 2013 Solar Decathlon next Fall in California. Links are included to all Facebook and web pages.

August 29, 2012



Wright vs. the wrecking ball: Preservation struggle continues in Phoenix

mnn



TidewaterCurrent Designed for this son David, this Frank Lloyd Wright home is considered one of his "most innovative, unusual and personal works of architecture." A developer wants to demolish the building to build two homes on the lot. The Frank Lloyd Wright Building Conservancy is trying to save the building with a historical designation. A link is included to sign a petition to save the structure.

August 29, 2012



PUMA Breaks Out In Front With 100% Solar-Powered Store «

earthtechling



TidewaterCurrent 8.28.12 -

Designers of the 800 sq. ft. store in India used recycled materials in construction and incorporated an underground air tunnel to provide heating in winter and cooling in the summer.

August 28, 2012



Living the green dream in an energy-efficient passive solar home in Toronto

thestar



TidewaterCurrent 8.24.12 -

August 26, 2012



Architects warm up to new urbanism

elpasoinc



TidewaterCurrent 8.26.12 - 4 years ago El Paso adopted planning and development policies that promote New Urbanism, a design movement that "promotes the revival of compact, walkable neighborhoods, with transit, centralized parks and blocks that mix retail, housing, offices and schools." Now the city is requiring that all architects working on city projects have the proper New Urbanism accreditation. Those taking the courses like what they are learning.
August 27, 2012



The Farmery: A Pop-Up Urban Farm Made From Recycled Shipping Containers for Raleigh, NC

inhabitat



TidewaterCurrent 8.27.12- "The Farmery is a start-up in Raleigh, N.C. that is developing an urban farm and market built from shipping containers and standard greenhouse components. The bottom level serves as a market to sell the crops, and the entire structure is used to grow the crops. The structure uses the inside of the containers to grow mushrooms, and the walls of the containers are covered in growing panels to form living walls where herbs, strawberries, lettuces and greens are grown
August 28, 2012



Testa Talks Turbine: Checking In On The South Side's Wind Turbine

chicagoist



TidewaterCurrent 8.25.12 - Testa Produce in Chicago built its LEED Platinum distribution facility among the brownfields of what used to be the Union Stock Yards. But what is catching peoples attention from miles around is the massive 250 ft. wind turbine that produces 30% of the facility's energy (and on 15 days last year 100%). The payback on the wind turbine is 10 years. Solar panels provide another 10% of energy requirements and they will also power two electric delivery trucks beginning next month. See more architecture news in Sustainable Design - Green Building.

August 26, 2012



Hampton Roads Solar Tour
October 6th & 7th 2012

www.HRSolarTour.com
(757) 241-6732

**HAMPTON ROADS
GREEN BUILDING
COUNCIL**



**FREE Hampton Roads Solar & More Tour - Saturday & Sunday
October 6 & 7 - Tidewater Current
| Summer 2012**

tidewatercurrent



TidewaterCurrent In conjunction with the American Solar Energy Society's National Home Tour, folks across the country including Tidewater will have the opportunity to view and investigate local green building technologies incorporated into homes and businesses the first weekend of October. This free local tour organized by the Solar Group of the Hampton Roads Green Building Council is scheduled for two days - Saturday October 6 for sites on the middle Peninsula and Southside and Sunday October 7 for sites on the Peninsula. Approximately 30 locations are featured on the tour. In addition to passive solar design, PV and solar thermal systems, attractions include a wind turbine, green (living) roofs, water catchment systems, ICF construction, spray foam insulation, and infloor radiant heating. This is a self guided tour. Simply visit the...

August 27, 2012

PLANET ARK

Your Daily Guide to
Helping the Planet

Home of the World Environment News



World Environment News - Rotating house puts new spin on eco-living

planetark



TidewaterCurrent An engineer in the Czech Republic has built himself a house that can rotate to face any direction he chooses. It can also submerge into the hillside to make use of the earth's naturally cooler temperature.

August 25, 2012



New wetlands to remove thousands of pounds of would-be river pollution

www2.wnct



TidewaterCurrent 8.22.12 - New Bern, N.C. - A50 acre wetland will be constructed to ease flooding issues and remove pollutants in the Neuse and Trent Rivers

August 25, 2012



Sierra Club Posts Its Latest Listing Of Top Green Schools «

earthtechling



TidewaterCurrent 8.25.12 - UC Davis tops the list with their net zero housing. Appalachian State also received high marks, ranked no. 10 in the country and VCU did well too, ranking 21.

August 26, 2012



Alice Ferguson Foundation plans to meet Living Building Challenge

ilbi



TidewaterCurrent Living Building planned for Hard Bargain Farm in Accokeek, MD. Prince Georges County Planning Board approved plans last month. Follow the included links to building description and project boards.

August 25, 2012



Berlin's New PLATOON Kunsthalle is a Cargotecture Complex Made from 34 Stacked Shipping Containers

inhabitat



TidewaterCurrent 8.24.12 - The cargotecture complex is made from 34 recycled shipping containers and was constructed in just a few days.
August 25, 2012



Climate Adapted Neighborhood / Tredje Natur

archdaily



TidewaterCurrent 8.26.12 - The focus of the new community development in Copenhagen is rainwater management and optimizing infrastructure to deal with the changing climate and the heavier rainshowers they have been experiencing in Copenhagen. Infrastructure is being designed to capture and hold rainwater longer (with green roofs and gardens), so it has time absorb before running off into the harbor. Bike baths are also being designed to act as stormwater channels.

August 26, 2012



Denim Insulation Now Available at Lowe's

jetsongreen



TidewaterCurrent 8..22.12 - "The product is made with 80% post-consumer recycled natural fibers and doesn't have added formaldehyde, VOCs, or chemical irritants, according to Bonded Logic."
August 24, 2012



Building-Integrated Photovoltaics Market Projected to Quadruple to \$2.4 billion By 2017

inhabitat



TidewaterCurrent 8.23.12 - Link to Pike Research report.
August 23, 2012



PNC to Open Net-Zero Energy Bank in 2013 · Environmental Leader

environmentalleader



TidewaterCurrent 8.21.12 - Participating in the DoE's Net Zero Energy Commercial Initiative, PNC will build the LEED Platinum building in Fort Lauderdale. In addition to PV, an energy recovery ventilation system will be installed to save energy and landscaping and permeable paving will divert 90% of storm water from the drainage system. PNC claims they have more "newly constructed" LEED certified buildings than any other company.
August 23, 2012



Floating platforms support species that improve water, look good

onlineathens



TidewaterCurrent 8.18.12 - Several of the floating wetlands, which filter pollutants and provide habitat, have been anchored around the Tidewater area including the Virginia Zoo, William and Mary, in the Elizabeth River and under the Coleman Bridge at VIMs. The mats pictured are at VIMs and are comprised of salt tolerant plants.
August 23, 2012



Conceptual

Chesapeake Bay Foundation to Create "Living Building" in Virginia Beach at Pleasure House Point

cbf



TidewaterCurrent 8.23.12 - As noted in the linked press release, a living building must meet stringent energy, water, site standards and more. The only issue here will be the site, specifically to qualify for the standard, the site must be a redevelopment of a brown or greyfield and not be part of a sensitive ecological habitat or within a 100 year flood plain. It's questionable, but there are exceptions that could apply here.

August 23, 2012



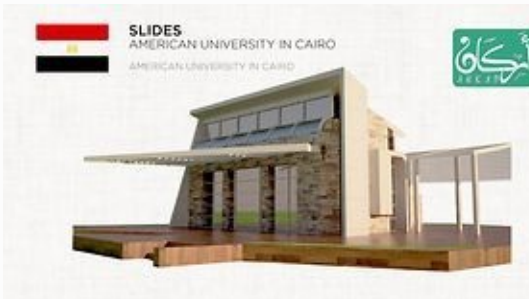
With Funding Tight, Cities are Turning to Green Infrastructure

e360.yale.edu



TidewaterCurrent 8.23.12 - Numerous examples of green infrastructure projects are highlighted. Diverting stormwater through bioswales, permeable pavement, green roofs, rain barrels and more are often less costly and more efficient in protecting our waterways from polluted runoff. In Sweden, sewage sludge is being treated by nature and pumped onto fields of willows which filter pollutants. When harvested, the willows are chipped and used to generate electricity.

August 23, 2012



SD Europe's Videos on Vimeo

vimeo



TidewaterCurrent Solar Decathlon Europe Videos - Open September 14-30, 2012 - Casa de Campo de Madrid
August 22, 2012



Floating Garden Farm to Pop Up in Long Island City

inhabitat



TidewaterCurrent 8.22.12 - 22 year old architecture student designed this 22 sq. ft. hydroponic garden that is anchored in the East River.
August 22, 2012



Advances in Solar Cooling

solarnovus



TidewaterCurrent The greatest demand for cooling just happens to coincide where there is vast solar potential. Using thermal or PV generated electricity to drive cooling systems therefore makes great sense. This article highlights the various technologies being utilized for cooling including absorption and evaporative cooling systems.
August 22, 2012



PACE Clean Energy Programs May Rally With Your Help «

earthtechling



TidewaterCurrent FHFA has a new proposal for the public to comment on. Please urge FHFA to restore PACE programs — and act now, because the comment period closes on September 13th.
August 22, 2012



Green Square Parking Deck is a Solar-Powered Garage to Leave Your Car in Raleigh

inhabitat



TidewaterCurrent 8.22.12 - The Parking Deck is topped with 960 panels that produce enough electricity to power 3,000 homes per year. Rainwater is harvested from the roof and stored in a cistern to be used for irrigation around the capital. In addition, the parking garage provides space for electric car charging and bike parking.
August 22, 2012



Eco-Village: Sustainable, affordable

startribune



TidewaterCurrent 8.22.12 - Habitat for Humanity's eco village is under construction in Minnesota, just outside the Twin Cities. And the 18 green homes will be affordable. With mortgages of of \$130,00-\$140,000, owners will have a monthly payment of \$500-\$600 per month. And, with solar PV installed and a geothermal system with radiant in floor heating and cooling, electric bills will be next to nothing. Rain water will be collected to nourish the edible landscaping surrounding the properties.
August 23, 2012



Largest Building-Integrated Wind Power System in U.S. Installed in Oklahoma City

treehugger



TidewaterCurrent 8.16.12 -
August 18, 2012



Home of the Week: Fab prefab is very green

life.nationalpost



TidewaterCurrent 8.17.12 - This American designed and fabricated sustainable home (seeking LEED Platinum designation) was trucked to Canada where it took 90 days to construct.
August 19, 2012



Just Two Minisplits Heat and Cool the Whole House

greenbuildingadvisor



TidewaterCurrent 8.17.12 - Very interesting net zero homes using innovative heating and cooling system. These are ductless low cost devices have been installed in 18 houses in Massachusetts and in numerous other homes around the country, including one currently for sale in Charlottesville, VA.
August 18, 2012



BISEM Installs PV Curtain Wall Retrofit

solarnovus



TidewaterCurrent 8.20.12 - Building integrated solar curtain system retrofitted onto the existing LEED Platinum SMUD customer service center. DC electricity generated by the thin film panels will run a cooling system in the technology demonstration center. See more clips in Sustainable Design-Green Building collection.
August 20, 2012



Farmville on the Hudson

crainsnewyork



TidewaterCurrent 8.19.12 - Several rooftop farms are highlighted in NYC. They are becoming very popular in and draw significant attention to the buildings overall. In addition to generating rental income, they provide insulation and thereby reduce heating and cooling bills. And, they protect the roof extending its effective life two to three times.
August 19, 2012



Watch: Couple transform school bus into tiny home on wheels

mnn



TidewaterCurrent 8.15.12 - Purchased for \$3,000, a California couple spent an additional \$12,000 creating a sustainable mobile home sporting solar panels and a composting toilet,
August 16, 2012



New green building energizes a central spot on JCC college campus in Kansas Univ ~ KansasCity.com

kansascity



TidewaterCurrent The building is expected to earn LEED Platinum status. Students will be able to learn about the sustainable aspects of the building through an interactive computer screen and explanatory boards. The passively designed building boasts a rainwater collecting and cleansing system, photovoltaics, electrical net metering and a wind turbine.

August 19, 2012



Dragon-Scaled Hongzhu Housing Sales Center Deflects the Heat in Taiwan

inhabitat



TidewaterCurrent 8.16.12 - Outer scaled shell of building lets light and air through but minimizes heat gain reducing energy consumption.

August 17, 2012



Green Home Construction Commences at First Florida Hempcrete Project

prweb



TidewaterCurrent 8.13.12 - Hemp and lime-based building construction material is being used to create an affordable green home that can withstand wind speeds of 123 mph, is pest and fire resistant, breathable and has no VOCs.

August 18, 2012



Program Turns to Nature to Manage Pollution, Stormwater Runoff

waterworld



TidewaterCurrent 8.16.12 - Syracuse is building green infrastructure, like the parking lot island made from permeable pavers and lined with trees, that will capture and absorb storm water so it will not carry pollutants to impaired Lake Onondaga.

August 16, 2012



Hermosa Beach Home Redefines Eco-Friendly

la-confidential-magazine



TidewaterCurrent 8.16.12 - Major renovation results in a net zero energy home. The house boasts locally sourced materials, water and energy saving features and PV panels. In addition, a thermal chimney was created to passive ventilate and cool the house.

August 17, 2012



Green Buildings: Boost Business and Neighborhoods

theatlantic



TidewaterCurrent 8.14.12 - Green buildings attract more tenants and create jobs.

August 14, 2012



A New Passivhaus Standard for North America

greenbuildingadvisor



TidewaterCurrent Katrin Klingenberg explains why the superinsulation standard developed for Central Europe is inappropriate for North America
August 15, 2012



Badboot: The World's Largest Floating Swimming Pool Opens Today in Antwerp!

inhabitat



TidewaterCurrent 8.14.12 - Recycled from an old ferry boat, the pool has water efficient fixtures and a reed bed filtration system.
August 15, 2012



Solar home: Passive design is easier, more effective than you'd think

denverpost



TidewaterCurrent 8.13.12 - Homeowners can save 80 to 90 percent of their energy budget by using passive solar techniques. Author discusses a passive renovation in Denver.
August 14, 2012



Living Without Electricity Bills

greenbuildingadvisor



TidewaterCurrent 8.13.12 - There's a lot of information on green projects, but often no real performance data is included. Here the author looked at a sustainable development in Vermont and homeowners share their energy savings over the last several years.
August 13, 2012



YES, In My Backyard! Local Solar Power Celebration in Charlotte - August 19

prweb



TidewaterCurrent 8.13.12 - YIMBY Celebration planned in Vermont community with a solar collective. A 24 kW system was sited in a meadow 1000 feet from 6 homes that share the energy produced and offsets 20 tons of carbon annually. A tour of the installation, information and free Ben & Jerry's Ice cream will be available at the 10 Stones Meadow August 19 3-6 p.m. More snips in Energy-Solar and Sustainable Development-Green Building collections.
August 14, 2012



VCs invest more than \$4 billion in green building

mnn



TidewaterCurrent 8.13.12 - Venture Capitalists invest more than \$4 billion in green building - "Developers like Tridium, Encelium Technologies, and SAGE Electrochromics have advanced their technologies from seed-stage rounds to acquisitions by giants, and this early wave of acquisitions is poised to keep growing." Source: Lux Research.
August 14, 2012



Two New Passive House Buildings Coming to Brooklyn

inhabitat



TidewaterCurrent
August 13, 2012



Make it Right's New Orleans FLOAT House by Morphosis to Gain LEED Platinum Certification

inhabitat



TidewaterCurrent 8.10.12 - Net zero average annual energy use home can rise 12 feet during a flood event.
August 11, 2012



Study Finds Greening Vacant Lots Reduces Overall Crime

treehugger



TidewaterCurrent
August 11, 2012



Portugal's Casa em Movimento Solar Decathlon Home is Completely Wrapped in Photovoltaic Panels

inhabitat



TidewaterCurrent 8.12.12 - This modular energy positive home is entered in the European Solar Decathlon.
August 12, 2012



Why Our Ancestors Built Round Houses – and Why it Still Makes Sense to Build Round Structures Today

inhabitat



TidewaterCurrent 8.10.12 - "15 to 20% less material is used to create the same square foot building compared to a rectangular design! This means the possibility for a smaller eco-footprint and more living space for less cost. It also means less surface area in contact with adverse weather conditions, which improves the overall durability and energy efficiency of the home."

August 11, 2012



The Netherlands' "Inspiration House" Models Cradle-To-Cradle

«

earthtechling



TidewaterCurrent 8.12.12 - Dean of the UVA Architecture School part of the team that provided the inspiration for this PV building integrated structure that contains a living wall, collects rainwater, recycles grey water and treats its blackwater.

August 12, 2012



Unused Laneways Ideal for Urban Gardens

designbuildsource.com.au



TidewaterCurrent 8.6.12 - A great idea in any urban area to create green community space. A somewhat similar project in Detroit at Cadillac Urban Gardens was highlighted in an earlier snip in the Food-Sustainable Production collection.

August 10, 2012



Game changer? Phase-change products boost building performance | SmartPlanet

smartplanet



TidewaterCurrent 8.9.12 - Phase changing materials can store and release heat when needed. The author looks at advances in the technology and applications in buildings.

August 10, 2012



ADOT grants promote biking, walking to school

azcentral



TidewaterCurrent 8.5.12 - This Arizona program should be expanded nationally. The grants are provided to support infrastructure so that kids can ride and walk safely to school. There are obvious health and environmental benefits as well as economic benefits. Think of how much money school districts can save in avoided bus fuel costs.

August 9, 2012



Masonic Amphitheatre is a Prefab Stage on a Reclaimed Site in Virginia

inhabitat



TidewaterCurrent 8.8.12 - Virginia Tech students design and build outdoor stage out of locally sourced materials and assemble it on a reclaimed industrial site adjacent to a creek in Clifton Forge. Pervious pavers were also used in the community park to limit storm water runoff into the creek.

August 8, 2012

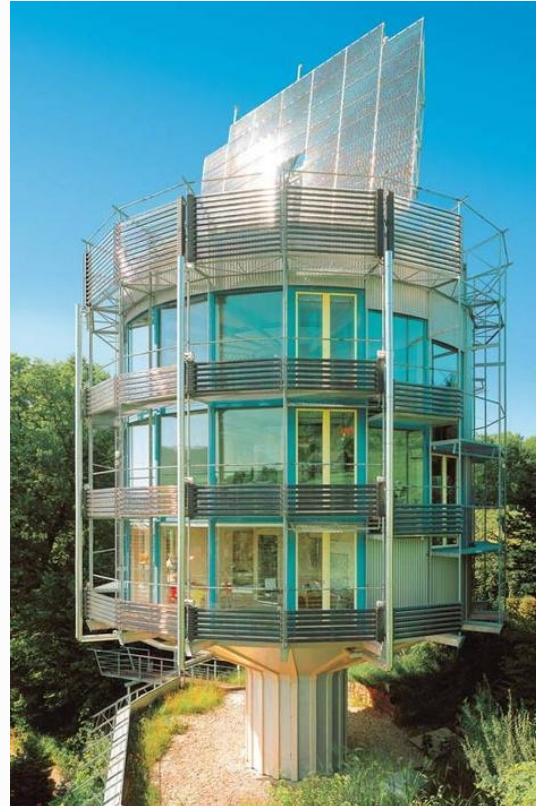


DC Offers Rebates on Green Roof Installation

georgetown.patch



TidewaterCurrent 8.6.12 - To reduce storm runoff and pollution in Chesapeake Bay tributaries, DC is offering \$5 per sq. ft. rebate for green "living" roof renovations.
August 9, 2012



Sustainable Communities for Yesterday, Today and Tomorrow

designbuildsource.com.au



TidewaterCurrent 8.9.12 - Freiburg, Germany known as one of the greenest cities in Europe is a model for sustainable development. In addition to infrastructure and building technologies that save energy, residents rely on wind and solar that is often integrated into building design for much of their energy. More clips on green building can be found in the sustainable design - green building collection.
August 10, 2012



Arizona Gains Its First Net Zero School «

earthtechling



TidewaterCurrent
August 7, 2012



Interior Designers Develop 'Ship Shape' Spaces

designbuildsource.ca



TidewaterCurrent 8.2.12 - Overview of shipping container architecture.
August 7, 2012



Greenroofs.com Projects - Auckland International Airport Novotel Hotel Green Wall

greenroofs



TidewaterCurrent 8.7.12 - New Zealand - Greenroof Project of the Week - 646 sq. ft. living wall is home to native fauna.
August 7, 2012



Six Oaks is a Modern Yet Rustic Shipping Container Home in California

inhabitat



TidewaterCurrent 8.6.12
August 7, 2012



VOLKsHouse is a Passive House in Santa Fe

jetsongreen



TidewaterCurrent 8.8.12 - First certified Passive House in New Mexico was built for \$165/sq. ft. including the PV system. The home uses 90% less energy and cost 6.5% less to build than average surrounding homes.
August 8, 2012



Nestlé recognised for 'greenest' building in Latin America

nestle



TidewaterCurrent 8.8.12 - "It is equipped with solar heating and water treatment systems, water-saving bathrooms, and a 'green roof' covered with vegetation to lower the interior temperature and to filter and recover rainwater. A natural ventilation system channels cooler air from below the ground to create a steady room temperature."

August 8, 2012



Designing the vertical farm - economist.com/video

youtube



TidewaterCurrent Several awesome architectural visions for urban-vertical farms, including one design for Newark, NJ.

August 5, 2012



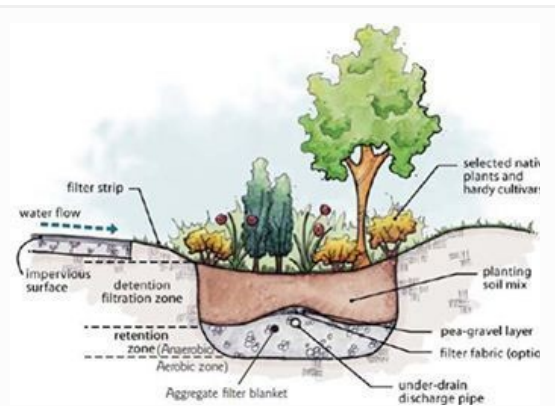
Phase-change drywall boards store and release heat to save power

gizmag



TidewaterCurrent

August 3, 2012



Construction on Whitehall's first 'green street' to start July 23

mlive



TidewaterCurrent The first green streets projects in Michigan. Porous concrete and bioswales will keep pollutants from entering White Lake.

August 6, 2012



Expanded Cork Insulation Arrives in USA

jetsongreen



TidewaterCurrent 8.2.12 - Made from cork factory scraps, the the recycled boards have an insulation rating of R3.6 per inch. The cost of R19 material is approximately \$5.50/sq. ft. August 6, 2012



French Eco Resort Puts The Fun Back Into Green Building

designbuildsource.com.au



TidewaterCurrent 8.6.12 - Adjacent to Disneyland Paris, this eco themed resort is planning for carbon neutrality and zero waste, the use of locally sourced materials, production of local and organic food, sustainable use of water and protection of natural habitats and wildlife. August 6, 2012



How walkable, transit-oriented neighborhoods help seniors | Kaid Benfield's Blog | Switchboard, from NRDC

switchboard.nrdc



TidewaterCurrent The video below, produced by AARP in collaboration with StreetFilms, provides a superb illustration of how walkable, transit-oriented neighborhoods can help seniors. From AARP's website: "Active Living for All Ages: Creating Neighborhoods Around Transit shows how transit-oriented development (TOD) facilitates the independence and mobility of older adults. This new six-minute video features conversations with residents, local officials and experts in TOD in Arlington, Virginia—a walkable, mixed-use community with access to a variety of public transit options, entertainment and recreation, and basic services such as shopping and medical services."

August 5, 2012



The Courtyard House Battles Extreme Heat With Passive Strategies In India

inhabitat



TidewaterCurrent
August 2, 2012



Hobbit Houses, Geothermal Heating, and More at Økosamfundet Dyssekilde, One of Denmark's Oldest Eco Villages

treehugger



TidewaterCurrent Slideshow of Eco Village.
August 2, 2012



PHOTOS: Portland International Airport Greets Visitors with a Vibrant Green Vertical Garden

inhabitat



TidewaterCurrent
August 2, 2012



- 1 THE NEW QUESTION MARK** Is this the site of Apple's
- 2** SubStation
- 3** Apple's 500,000 square foot data center. Home
- 4** A smaller 21,000 square foot "tactical" data center.
- 5** The 100-solar farm generate

Exclusive Pics: Apple Breaks Ground at Mystery Data Center | Wired Enterprise | Wired.com

wired



TidewaterCurrent 8.2.12 - LEED Platinum building with 100 acre solar park.
August 3, 2012



'World's least carbon-emitting building' stands tall in Tokyo

ecoseed



TidewaterCurrent 8.2.12 - PV panels, radiant cooling and LED lighting controlled by sensors will reduce carbon emissions by 62% compared to conventional building.
August 2, 2012

10 GREEN WAYS TO IMPROVE OUR CITIES

City loyalty can be like a micro-form of patriotism. Many of us love the cities in which we were born, raised, or currently reside. But there's always room for improvement-and some cities need it much more than others. Taking these actions can improve any city.

10. CONVERT TO ELECTRIC VEHICLES

- Reduce footprint
- Battery performance rivals gasoline

Electric cars may use **40-60%** less petroleum than gas vehicles

• 100,000 GALLONS

In under 3 years, EVs saved one million gallons of gas/8,700 metric tons of CO₂

- Less demanding production



How to Make a Green City Infographic -

revmodo



TidewaterCurrent
August 3, 2012



Das Haus Tour Washington D.C. | Innovation in Renewables and Energy Efficiency

washingtondc.dashaustour



TidewaterCurrent 7.30.12 - Tour opens tomorrow. Visit site for listing of events.
July 30, 2012



Action plan to halt bee decline

bbc.co.uk



TidewaterCurrent 7.27.12 - Recognizing pollination is an economically important eco service, Wales will develop a plan to protect bees that will likely make development "pollinator" friendly.
July 30, 2012



Sunset Idea House Prefab in Healdsburg

jetsongreen



TidewaterCurrent 7.30.12 - 3,000 sq. ft. Sunset Magazine Idea House open to tour.
July 31, 2012

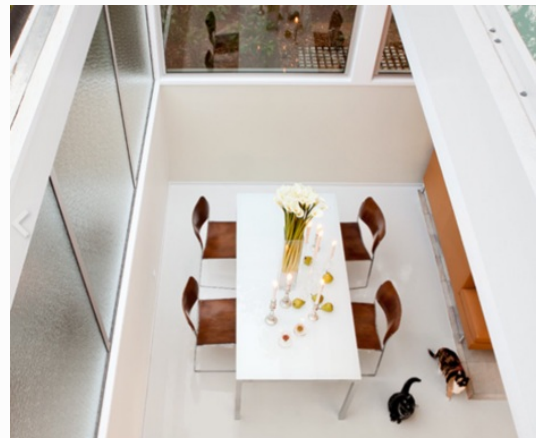


Greenfield uses pervious concrete, garden to capture and purify water

triblive



TidewaterCurrent Pittsburgh bioswale holds and purifies storm water.
July 30, 2012

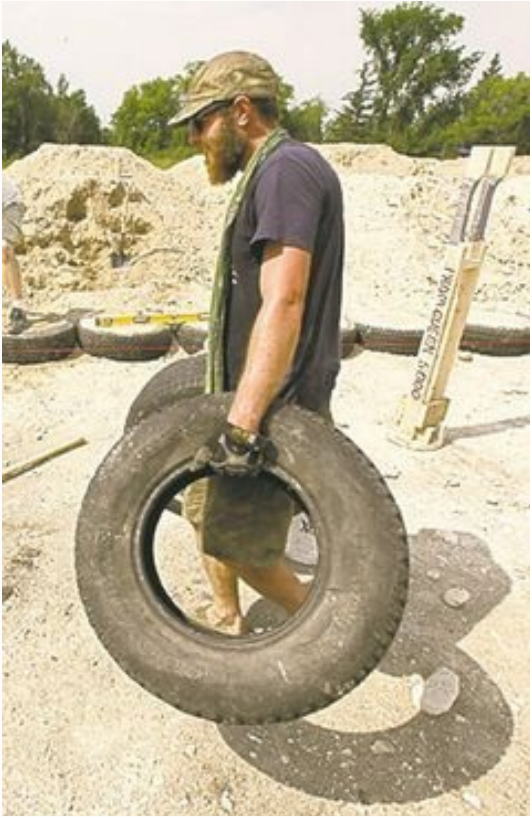


In California, A Green Dream Home By The Sea «

earthtechling



TidewaterCurrent 7.30.12 - LEED Platinum Renovation in Carmel hosts a rooftop solar system and garden. In order to create a semi-outdoor dining area, a retractable skylight was installed.
July 30, 2012



Earthship takes shape

winnipegfreepress



TidewaterCurrent 7.31.12 - Canadian couple building Manitoba's first Earth Ship home. Made from used materials, like tires, bottles and cans, their home will regulate its own temperature using the sun and the Earth. Using the sun and wind, they will generate their own electricity. And they'll harvest water from rain and snow and treat their sewage and produce food.
August 1, 2012



4 Amazing Underground Dwellings!

recyclebank



TidewaterCurrent

July 29, 2012



Dumpster Pools Give New Meaning to "Dumpster Diving"

recyclebank



TidewaterCurrent

July 29, 2012



Design your perfect home with My Eco Home

businessgreen



TidewaterCurrent New digital campaign from LG allows Facebook users to create and share their own personalised, virtual Eco homes
July 28, 2012



Pavegen Tiles Turn Footsteps Into Electricity - Earth911.com

earth911



TidewaterCurrent 7.27.12 - Small amount of Kinetic energy derived from footfalls can light up the surface of the recycled tile, the rest can be stored in a battery for localized uses. Lighted cross walks would be a great use of this technology.
July 28, 2012



Berlin Superhome Generates More Energy Than It Consumes

treehugger



TidewaterCurrent 7.26.12 - More than enough energy produced to power the house, two vehicles and an electric bike. A battery is used for storage and extra electricity is sold to the grid. Link to a video tour included. See more in Sustainable Design-Green Building.
July 28, 2012



This Singapore Building Is Home To The 'Office Of The Future'

businessinsider



TidewaterCurrent 7.25.12 - Retrofitted net zero building is a test center for sustainable technologies. With solar panels, rooftop chimneys and fans to vent hot air, and gardens in interior and exterior walls and roofing, the build is energy efficient and produces all the energy needed.
July 28, 2012



Sixty-foot water tower converted into urban residence

gizmag



TidewaterCurrent

July 26, 2012



Edible Bus Stop turns London transit routes into a network of community gardens

grist



TidewaterCurrent 7.27.12 - Creating green spaces, more of these gardens are in the works.

July 27, 2012



Snoozebox is a Portable Container Hotel

jetsongreen



TidewaterCurrent 7.27.12 - A scalable facility made from recycled shipping container can be moved to any location and constructed in a couple of days.

July 27, 2012



These beautiful bridges are just for animals

grist



TidewaterCurrent Data shows that wildlife overpasses are being used.

July 26, 2012



Vancouver Wants to Turn Two-Thirds of All Trips Away from Vehicle| ENR: Engineering News Record

enr.construction



TidewaterCurrent Transportation 2040 project looks to transform the city into a bike and pedestrian friendly locale.

July 27, 2012



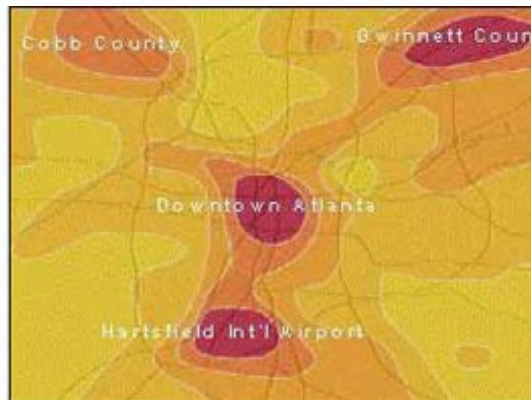
Net-zero electricity townhome project to rise in Dunedin - Tampa Bay Times

tampabay



TidewaterCurrent 7.25.12 - The 25 modestly priced Florida town-homes range from \$135,000 - \$170,000.

July 25, 2012



Keeping Cool With Green Infrastructure

americanrivers



TidewaterCurrent Link to American Rivers Report- Growing Green: How Green Infrastructure Can Improve Livability and Public Health
July 26, 2012



Kohler Residence / Milwaukee

ecohomemagazine



TidewaterCurrent Straw-bale home is a Merit Award Winner in the AIA Eco Home Competition.

July 25, 2012



Olympic Wastewater Recycling: Gross or Green? - Earth911.com

earth911



TidewaterCurrent To conserve local water supplies, London's Olympic Park and Village will use recycled sewage water for indoor toilet flushing and landscape irrigation.

July 26, 2012



New wastewater discharge permit requires 'green infrastructure' - JSOnline

jsonline



TidewaterCurrent 7.22.12 - Milwaukee waste water discharge permit is the first in the US to require rooftop plantings and installation of other "green infrastructure" to collect and absorb storm water. The cost of such an initiative is much less than digging more tunnels for traditional storm water diversion.

July 26, 2012



2012 EcoHome Design Awards

EcoHomeMagazine



TidewaterCurrent 7.24.12 - Take a tour of 17 Winning Homes of the American Institute of Architects EcoHome Design Awards.

July 25, 2012



Austin's Green Building Incubator: A Look at the Pecan Street Project

stateimpact.npr



TidewaterCurrent 7.16.12 - Pecan Street Demonstration Project PBS video.

July 22, 2012



Taking the Ick Factor Out of Recycled Water

nytimes



TidewaterCurrent 7.25.12 - All water is used and reused. Where water resources are scarce, waste water reclamation for potable uses is becoming acceptable. One such reclamation plant will begin operating next year in Texas.
July 26, 2012



Architect reveals subterranean eco-home plan for village

examiner.co.uk



TidewaterCurrent 7.23.12
July 23, 2012



A Home Where You Don't Have to Turn on the Heat

alloveralbany



TidewaterCurrent Albany New York's first certified Passive House uses 90% less energy than a conventional home. The well sealed passively designed home acts like a thermos. The owner did not have use heat once last winter.
July 22, 2012



Re-Barn: Autotroph Converts Iconic Tobacco Barns into Green Solar-Powered Homes

inhabitat



TidewaterCurrent 7.24.12 - A design for an Ann Arundle MD barn preserves history while creating a sustainable living environment. In the interior an engineered wood frame reinforces the structure and contains energy efficient panels. With solar and rain water collection systems and a constructed wetland to treat wastewater, Re-barn will be a net zero home.

July 24, 2012



Actively passive: Melding green living with a stylish design

readthehook



TidewaterCurrent 7.21.12 - First Passive House in Virginia. Charlottesville home is for sale for \$598,000.

July 24, 2012



Green-certified homes sell for 9% more, study in California finds

latimes



TidewaterCurrent
July 22, 2012



**Balcony window FGH-V P2
Gallery, FAKRO, world
architecture news, architecture
jobs**

worldarchitecturenews



TidewaterCurrent
July 24, 2012



**Looking for a model of a walkable,
green, community-serving
school? Start here.**

switchboard.nrdc



TidewaterCurrent 7.20.12 - LEED
School revitalizes a Portland
neighborhood and supports a walking
and biking community.
July 20, 2012



**As Net-Zero Building Gains
Speed, Portland Tests The Limits**

fastcodesign



TidewaterCurrent 7.20.12 - First Net
Zero Higher Education Building in
Oregon at Portland Community
College Newberg. No AC needed,
ventilation is provided through 5 large
cooling towers.
July 21, 2012



Bullitt Foundation's new green building

video.seattletimes



TidewaterCurrent 7,20.12 - Video interview with Bullitt Foundation CEO. Denis Hayes discusses the vision for setting the example as the greenest commercial building in the world and challenges other developers to strive to undertake more sustainable projects. The 6 story net zero energy building is under construction now.
July 20, 2012

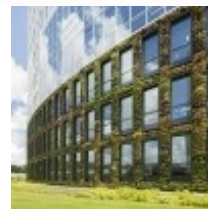


Malaysia's Smart Eco-Village Includes 4-Level Aquaculture System | TriplePundit

triplepundit



TidewaterCurrent 7.17.12 - Eco village, developed with the support of NY Academy of Sciences, outside of KL could be used as a template to develop more such projects. 100 Small affordable homes that took only days to build are sited on 29 acres. Solar power provides most the electricity and an aquaponic system supplies food.
July 20, 2012



Eneco Rotterdam headquarters

inhabitat



TidewaterCurrent 7.18.12 - Light filled building has living green wall on one side of building while the other side has 366 solar panels.
July 19, 2012



First net-zero building in NYC

cleanenergyauthority



TidewaterCurrent Delta Building by Voltaic Solaire will serve as a bed and breakfast and is expected to produce more energy than consumed. One side of the building is covered with thin film solar. The building also boasts Solar thermal system and a rooftop PV awning.
July 21, 2012



World's Best Architecture Schools and Universities - Top 10 Lists

graduatearchitecture



TidewaterCurrent Sci-Arc rules!! A set of lists for various regions and continents.
July 18, 2012



Train stations more fun than bars? | SmartPlanet

smartplanet



TidewaterCurrent 7.20.12 - Public transit hubs to be constructed in San Francisco, Minneapolis and NYC will encourage public transport.
July 20, 2012



Smart, Passive Systems Proposed To Beat The Heat In India «

earthtechling



TidewaterCurrent 7.18.12 - Green roof, exterior ventilation and shading provide passive cooling.
July 19, 2012



Hong Kong unveils its first zero-carbon building | SmartPlanet

smartplanet



TidewaterCurrent This 3 story building with a small footprint and lots of green space is unusual in Honk Kong. 3 different solar technologies and a trigeneration - combined heat and power system - are expected to produce more energy than needed. Heat from the waste vegetable oil generator will help run an absorption cooling system.
July 19, 2012

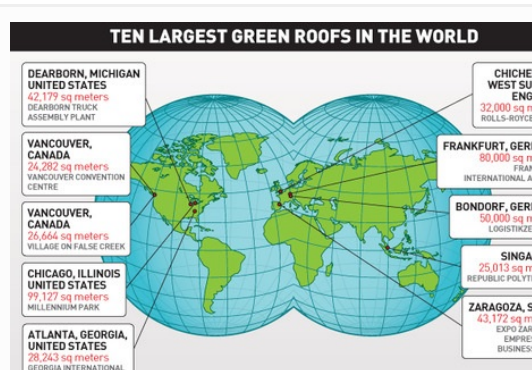


Greening the Golden Arches

designbuildsource.com.au



TidewaterCurrent 7.20.12 - The American icon is the first restaurant in Australia to receive Green Star certification. Among other recycling and efficiency improvements, the Melbourne restaurant sports solar panels and a rainwater collection system for irrigation and toilet flushing.
July 20, 2012



The 10 Largest Green Roofs

enr.construction



TidewaterCurrent 7.9.12 - 3 in the US and 2 in Canada. Includes slide show.
July 18, 2012



Scientists: Green walls lead to cleaner cities

businessgreen



TidewaterCurrent 7.18.12 - Research reported in Journal of Environmental Science and Technology indicates that greening cities could be less expensive than other initiatives to reduce pollution.
July 18, 2012



Federal Funding in Green Infrastructure: Cleaning Waterways and Creating Jobs

switchboard.nrdc



TidewaterCurrent 7.17.12 - Green infrastructure for storm water management reduces pollution in our waters and creates jobs. Numerous examples are cited in this article.
July 18, 2012



Eco-Pak: the house with shipping included | SmartPlanet

smartplanet



TidewaterCurrent 7.16.12 - Patented Eco pack design includes construction materials in shipped home components. A fully functioning prototype is being assembled in Seattle.
July 18, 2012



Building Bridges Out of (Recycled) Plastic

audubonmagazine



TidewaterCurrent This is not just a concept. Axion International has built 10 bridges in the US and more in Europe, including a 90 foot stretch over the river Tweed in Scotland, out of mostly recycled plastics. The bridges are just as strong as conventional construction and they are nontoxic. Let's start mining the sea of all it's debris and replace more of our aging infrastructure.
July 18, 2012



A new PSU outdoor learning area features green walls and roofs and serves as a park

oregonlive



TidewaterCurrent 7.17.21 - Lab created at Portland State to test storm water catchment systems in living walls and roofs.
July 18, 2012



Building a better parking garage | SmartPlanet

smartplanet



TidewaterCurrent Nice use of a parking garage. More parking garages should be used to provide parks and green space.
July 16, 2012



Milton Keynes' Passivhaus: the most airtight house ever?

architectsjournal.co.uk



TidewaterCurrent

July 16, 2012



Capturing stormwater naturally in Lancaster, Pennsylvania - Chesapeake Bay Program

chesapeakebay



TidewaterCurrent Green

infrastructure is reducing runoff and pollution. This article highlights efforts undertaken far away from the Chesapeake Bay in Lancaster County Pennsylvania to improve water quality and the natural methods used are less costly and more effective than traditional storm water collection and treatment.

July 17, 2012



Perfecting Solar Orientation Planning

designbuildsource.com.au



TidewaterCurrent 7.18.12 - Light penetration without summer solar gain is achieved through clever design in Japan.

July 18, 2012



Vacant Lots: Crowd-Sourcing The Sustainable Neighborhood

sustainablecitiescollective



TidewaterCurrent 7.17.12 - Projects undertaken by communities through crowd sourcing that contribute to sustainability are highlighted. By mapping vacant sites and undertaking green redevelopment plans (affordable green housing projects, community green areas - parks and gardens), property values are rising, jobs are created and the quality of life improves.
July 18, 2012



D.C. unveils plans for awesome new green neighborhood

grist



TidewaterCurrent 7.15.12 - The SW Eco District will be a 110 acre, 15 block neighborhood with improved pedestrian access, a solar roofed metro station and freeway and water capture and reuse systems. The costs of the improvements are expected to returned in reduced operating costs.
July 16, 2012



Project ARQtainer's House Liray Is an Earthquake-Resistant Shipping Container Home in Chile

inhabitat



TidewaterCurrent 7.12.12 - 1,200 sq. ft. home recycled from 5 shipping containers.
July 14, 2012



Eco-friendly building promoting power-saving

japantimes.co.jp



TidewaterCurrent 7.7.12- Japanese green builder has enjoyed the low electric bills for 15 years.
July 14, 2012



Colombia's B3 Hotel Virrey has an 8-Story Vertical Garden with 25,000 Plants!

inhabitat



TidewaterCurrent 7.13.12 - Insect repellent living wall beautifies an ordinary building while providing insulation and a sink for CO2.
July 14, 2012



Office Design Takes Literal Spin on Concrete Jungle

designbuildsource.com.au



TidewaterCurrent 7.11.12 - Mimicking leaf design, Slovenia's Ljubljana Chamber of Commerce is home to an urban jungle that is not only aesthetically pleasing but also improves air quality.
July 14, 2012



Beijing's Encapsulated 'Parkview Green FangCaoDi' Has Its Own Energy-Efficient Microclimate

inhabitat



TidewaterCurrent 7.11.12 - Passive and active mechanical systems control climate in this community housed in a glass pyramid. Rain water is also captured for use and recycled for irrigation
July 14, 2012



First Frank Gehry Home Completed by Brad Pitt's Make It Right Foundation

architect



TidewaterCurrent 7.13.12 - New Orleans - LEED Platinum certified.
July 14, 2012



Vo Trong Nghia's 'Stacking Green' House is an Urban Oasis Bookended With Planters

inhabitat



TidewaterCurrent 7.9.12 - Vertical Green Home
July 10, 2012



World's Largest Building Made of Recycled Beer Bottles Opens in Las Vegas!

inhabitat



TidewaterCurrent 7.10.12 - 500,000 beer bottles recycled to create Greenstone facade on the Morrow Royal Pavilion.
July 11, 2012



Tiny Off-Grid Float Cabin Becomes Dream Retirement Home

treehugger



TidewaterCurrent 7.6.12- This self sufficient floating home in British Columbia also boasts a floating vegetable garden.
July 7, 2012

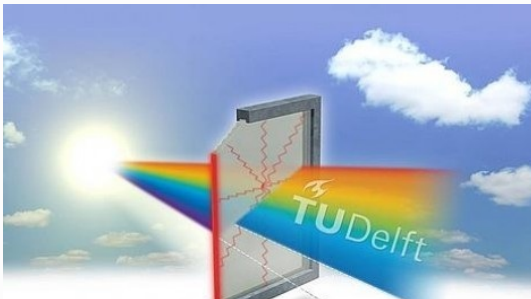


Eco Modern Flats Renovation is the First Multifamily LEED Platinum Project in Arkansas

inhabitat



TidewaterCurrent 7.6.12 - 1960s Fayetteville apartment complex renovation.
July 9, 2012



Power-Generating Windows Offer New Horizons for Office Energy Efficiency

cleantechnica



TidewaterCurrent 7.7.12 - Power generating solar luminescent windows created with the addition of a thin film added to existing windows could be available in the future. The technology not nearly as efficient as solar panels was developed at Delft University of Technology. But with no where near the expense and the opportunity to add them to existing structures, the technology has great potential.
July 7, 2012

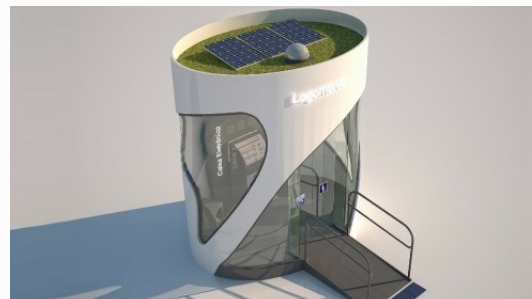


Roanoke dental practice moving into new 'green' building - www.roanoke.com

roanoke



TidewaterCurrent 7.14.12 - Passive House design by Adam Cohen co-owner of Structure/Design. More info: http://www.structuresdb.com/commercial/green_building.asp
July 14, 2012



Eco-friendly ATM accesses environmental savings

gizmag



TidewaterCurrent 7.5.12 - Part of Brazil's Contemporary Bank Project this winning design is made from environmentally friendly raw materials and sports a PV panel.
July 6, 2012



Forget the ice cream truck, this one makes wood fired pizzas!

[gizmag](#)



TidewaterCurrent 7.5.12 - Made from a recycled shipping container, the traveling pizza kitchen serves pizzas made from locally sourced ingredients.
July 6, 2012



Europe's First Carbon-Neutral Neighborhood: Western Harbour

«

[earthtechling](#)



TidewaterCurrent 7.5.12 - Vastra Hamnen in Malmo, Sweden
July 5, 2012



Use It Then Lose It – Post-Olympics Building Recycle

[designbuildsource.com.au](#)



TidewaterCurrent 7.6.12 -Largest McDonald's ever constructed in London for the Olympic Games is completely recyclable. After the Olympics the building will be dismantled and all materials recycled.
July 6, 2012



San Francisco's Parklets Transform Parking Spaces Into Urban Oases

[inhabitat](#)



TidewaterCurrent 7.5.12 - Great urban program. 2 dozen mini parks have been constructed and more are on the way in highly paved downtown San Francisco. Using parking spaces to provide greenery and common space will benefit the local environment and community.
July 6, 2012



Urban Sponge Façade, a Green Aesthetics Game Changer

designbuildsource.com.au



TidewaterCurrent 7.6.12 - Building designed for downtown Lima.
July 6, 2012



Hamptons' First Eco-Container Home on Sale for \$1.3 Million -- AOL Real Estate

realestate.aol



TidewaterCurrent
July 5, 2012



Net-zero goes pastoral at Serenbe model home

mnn



TidewaterCurrent 7.3.12 - More on the Bosch Net Zero Home at Serenbe outside Atlanta.
July 5, 2012



Affordable Green Homes Selling Like Hotcakes in Utah «

earthtechling



TidewaterCurrent 7.2.12 - Starting in the low \$200,000s with solar and geothermal systems and a well sealed building envelope, the homes will save owners around 70% in comparative energy costs.
July 3, 2012

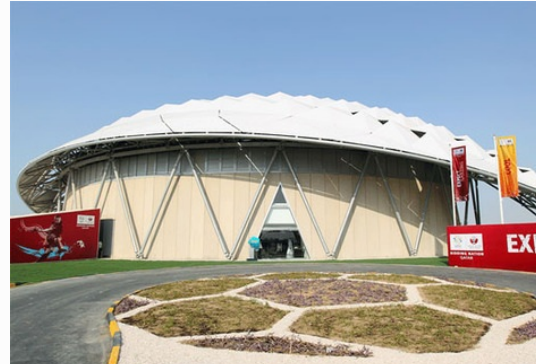


Detroit Rising: From Garage To Net Zero Biz Incubator «

earthtechling



TidewaterCurrent 7.3.12 - Worthwhile read on community supported sustainable redevelopment. The Green Garage is home to several eco minded businesses that all contributed to the eco renovation.
July 4, 2012



Solar Powered Cooling to Beat the Heat at World Cup Stadium

designbuildsource.com.au



TidewaterCurrent 7.3.12 - A showcase experimental stadium with a zero carbon cooling system has been erected in London to test the technology that will be employed in the desert stadium constructed in Qatar. Solar power is used to to store a cooled material, phase changing or cryogenic, that can be employed to cool a stadium size area for several hours.
July 3, 2012



Passive House: The Next Big Thing In Green Building? «

earthtechling



TidewaterCurrent 7.2.12 - Conversation with the President of the US Passive House Alliance, which promotes one of the most stringent energy efficiency requirements out of the numerous industry initiatives.
July 2, 2012



Check out our growing video library for smarter, greener communities

switchboard.nrdc



TidewaterCurrent 7.2.12 - NRDC has loaded 158 videos on the NRDCcommunities YouTube channel that highlight sustainable community efforts. Links included.
http://switchboard.nrdc.org/blogs/kbenfield/a_growing_video_library_for_sm.html
July 2, 2012



Packard Foundation Opens Sustainable & Stunning HQ

belmont-ca.patch



TidewaterCurrent 6.30.12 - Los Altos, CA - 100% solar powered, this net zero energy building, boasts a living roof, collects rainwater for non potable uses and have extensive native landscaping that channel and reduce storm runoff. <http://belmont-ca.patch.com/articles/packard-foundation-opens-sustainable-stunning-hq-028daf4e>
July 1, 2012



Green construction project benefits MSU students

wтва



TidewaterCurrent 7.2.12 - Mississippi State University students are building a green roof on the Heritage Museum.
July 2, 2012



SMUD, Partners Kick-off Battery Energy Storage Project | Green Energy News

green-energy-news



TidewaterCurrent 6.30.12 - SMUD and NREL test neighborhood battery storage systems to reduce demand on the grid at peak times. 15 homeowners are participating in the demonstration. They have either installed mini-refrigerator size batteries in their garages or share 4x4 sized batteries sited by the transformer. During peak use times, homes will draw energy from the batteries and they will be recharged at night when costs are lower (saving consumers money). <http://www.green-energy-news.com/nwslnks/clips612/jun12043.html>
July 1, 2012



An Unconventional Convention Centre

designbuildsource.com.au



TidewaterCurrent With a stacked design, the Irving, Texas facility occupies a small footprint and shading is provided for lower floors and open area. The copper cladding is maintenance free and materials were locally sourced where possible. Water from a nearby lake is used for a cooling system and for non-potable purposes. Waste water is also used for landscaping. LEED certification is being sought.
<http://designbuildsource.com.au/unconventional-convention-centre> -
<http://www.irvingconventioncenter.com/facility-information/convention-center-overview/>
June 30, 2012



San Francisco debuts North America's 'greenest urban office building' | SmartPlanet

smartplanet



TidewaterCurrent 6.26.12 - Waste water treated via living machine system (pictured) designed by Worrell Water of Charlottesville, VA.
<http://www.smartplanet.com/blog/design-architecture/san-francisco-debuts-north-americas-8216greenest-urban-office-building/7232?tag=search-river>
June 30, 2012



Bauhaus Boat/Barge/Houseboat for Sale and Completely Solar Powered

cleantechnica



TidewaterCurrent 6.28.12 - Fully solar powered DIY houseboat. Video include.
<http://cleantechnica.com/2012/06/28/bauhaus-boatbargehouseboat-sale-completely-solar-powered/>
June 29, 2012



coarchitecture: glaxo smith kline administrative building

designboom



TidewaterCurrent 6.24.12 - Passive bioclimatic designed building in Quebec City, Canada.
<http://www.designboom.com/weblog/c/30/view/21955/coarchitecture-glaxo-smith-kline-administrative-building.html>
June 29, 2012



'World's greenest buildings' get seal of approval - CNN.com

cnn



TidewaterCurrent 6.21.12 - The Living Building Project certifies the Omega Center for Sustainable Living (Rhinebeck, NY) as "Living." The strict criteria can only be met after the building has been operational for a year (to ensure it meets the standards it was designed to). It is only one of three such buildings certified.
<http://www.cnn.com/2012/06/21/world/living-building-challenge/index.html>
June 27, 2012



US Sows the CEED for Energy-Efficient Education

designbuildsource.com.au



TidewaterCurrent From an Australian green building website comes an article about the first Passive House School in the US and Virginia. The Facility now has a year's worth of data showing that it is operating at high levels of efficiency (as expected). Makes you want to move to SW Virginia so your kids could go to school and learn there.
<http://designbuildsource.com.au/ceed-energy-efficient-education>
June 27, 2012



Can China Build World's Tallest Building In 90 Days?

designbuildsource.com.au



TidewaterCurrent 6.20.12 -

Prefabrication will make the super-fast construction possible. Broad Sustainable Building, the construction company, has delivered projects in the past in just a matter of days, so it is conceivable that they will construct the 200 story earth quake resistant and energy efficient building in the proposed time frame.

<http://designbuildsource.com.au/can-china-build-worlds-tallest-building-in-90-days>

June 27, 2012



Skanska and LMN Architects' Seattle Stone34 Complex Will Be Edible!

[inhabitat](http://inhabitat.com)



TidewaterCurrent 6.27.12 - Brooks

Sports new headquarters will be a living building. With literally edible walls that sprout herbs and berries as well as planted gardens around the building, workers and passersby will be encouraged to partake in the bounty. <http://inhabitat.com/edible-stone34-complex-to-sprout-up-in-seattle/>

June 27, 2012



Obama Administration Announces New Partners Join the Better Buildings Challenge

apps1.eere.energy.gov



TidewaterCurrent 6.14.13 -
Starbucks, Staples and more join the
better building challenge.
[http://apps1.eere.energy.gov/news/m/
progress_alerts.cfm?pa_id=747](http://apps1.eere.energy.gov/news/m/progress_alerts.cfm?pa_id=747)
June 23, 2012



BioSIPs in the Greenest Home in Canada

jetsongreen



TidewaterCurrent 6.19.12 -
Prefabricated straw bale walls used
to build Living Building Challenge and
LEED platinum certified home.
[http://wire.kapital.com/investment-
idea/virgin-airlines-to-invest-in-
biofuels/](http://wire.kapital.com/investment-idea/virgin-airlines-to-invest-in-biofuels/)
June 23, 2012



The Solar-Powered Groundhouse in Brittany is a Designer Earth- Rammed Home

inhabitat



TidewaterCurrent 6.21.12 - Net zero
for energy and water -
[http://inhabitat.com/the-solar-
powered-groundhouse-in-brittany-is-
a-designer-earth-rammed-home/](http://inhabitat.com/the-solar-powered-groundhouse-in-brittany-is-a-designer-earth-rammed-home/)
June 22, 2012



Capella Garcia's Flourishing Green Wall Brings a New Form of "Vegetecture" to Barcelona

inhabitat



TidewaterCurrent 6.22.12 -
[http://inhabitat.com/freesandingreen-
side-wall-is-a-new-form-of-
vegetecture-in-barcelona/](http://inhabitat.com/freesandingreen-side-wall-is-a-new-form-of-vegetecture-in-barcelona/)
June 22, 2012



Eco-friendly model home in Maryland reflects green movement's edging into the mainstream

washingtonpost



TidewaterCurrent 6.15.12 - KB builds net zero home in Waldorf, Md. http://www.washingtonpost.com/real-estate/eco-friendly-model-home-in-maryland-reflects-green-movements-edging-into-the-mainstream/2012/06/14/gJQA142LdV_story.html
June 22, 2012



Denver Zoo Elephant Passage (Powered by Poo) Takes LEED «

earthtechling



TidewaterCurrent 6.20.12 - Biomass gasification system converts elephant poo and 90% of zoo waste into energy that powers the elephant exhibit (reducing annual landfill contributions by 1.5 million pounds annually). Most of the water in the exhibit is also recycled for use in other exhibits and irrigation. <http://www.earthtechling.com/2012/06/denver-zoo-elephant-passage-powered-by-poo-takes-leed/>
June 20, 2012



Hemp Homes Grow a Movement [Video]

jetsongreen



TidewaterCurrent 6.19.12 - Asheville, NC Hemp home started a movement - See video - <http://www.jetsongreen.com/2012/06/industrial-hemp-home-building-movement.html>
June 19, 2012



Mayor Bloomberg Inaugurates Striking Stepped Via Verde Green Housing Complex in the Bronx

inhabitat



TidewaterCurrent 6.19.12 - <http://inhabitat.com/nyc/mayor-bloomberg-inaugurates-striking-stepped-via-verde-green-housing-complex-in-the-bronx/>
June 20, 2012



Green-Roofed Cannon Beach Home in Oregon Generates More Energy Than it Uses

inhabitat



TidewaterCurrent 6.15.12 - Stunning Energy positive home - follow link for more pics - <http://inhabitat.com/green-roofed-cannon-beach-home-in-oregon-generates-more-energy-than-it-uses/>
June 19, 2012



LivingHomes Reveals First LEED Platinum Certified Multifamily Development in Silicon Valley!

inhabitat



TidewaterCurrent 6.19.12 - Affordable net zero homes. <http://inhabitat.com/livinghomes-reveals-first-leed-platinum-certified-multifamily-development-in-silicon-valley/>
June 20, 2012



Bamboo Buildings | Bali's Green Building Benchmark

designbuildsource.com.au



TidewaterCurrent 6.18.12 - World's biggest bamboo structure home to fair trade chocolate and cocoa butter factory. The bamboo grows fast and is a strong material that can replace concrete and steel in buildings. <http://designbuildsource.com.au/bamboo-buildings-bali's-green-building-benchmark>
June 20, 2012



More green water systems might be on tap for SFPUC | Amy Crawford | Local | San Francisco Examiner

sfexaminer



TidewaterCurrent 6.18.12 - New headquarters for the SF public utilities has constructed waste water treatment plant known as a living machine designed by Virginia Co. Worrell Water. In addition to using 60% less water than other buildings and recycling and reusing waste water, the building also boast integrated solar and wind systems to provide 7% of energy needed. More info about the building can be found here

http://216.119.104.145/bids/projectDetail.aspx?prj_id=269.

<http://www.sfexaminer.com/local/2012/06/more-green-water-systems-might-be-tap-sfpuc>

June 19, 2012

GreenExpo365.com
The Interactive Green Community

Free Webinar Series on Designing and Building Green Schools Scheduled for June 20 on GreenExpo365.com

prweb



TidewaterCurrent
June 13, 2012



Majority of LEED Homes Are Affordable

jetsongreen



TidewaterCurrent
June 19, 2012



Building a little solar-powered house on the prairie: Off-the-grid or grid-tied?

cleanenergyresource teams



TidewaterCurrent Mike and Linda's adventures in sustainable living and the house the land built at Mike's blog, Rah-dur.
June 18, 2012



Home using 'Net Zero' energy opens in Serenbe

thecitizen



TidewaterCurrent 6.9.12 - Bosch net zero home opens in Serenbe community in Chattahooche Hills outside of Atlanta. With a family of 4 energy bills over the course of the year should be zero. Features include a geothermal heating and air conditioning system and solar panels to meet electric demand. It's open for tours the month of July and then will be offered up for sale.
June 12, 2012



The Greenest House In Arlington Is Now On The Market

dc.curbed



TidewaterCurrent 6/12/12- Arlington, VA- Open house in Sat. or view lots of images that highlight green features of this Million Dollar Passive House (one of only 3 in the DC metro area. <http://dc.curbed.com/archives/2012/06/arlington-s-first-passive-house-officially-on-the-market.php>
June 13, 2012



New Study: Smart Roofs Could Transform California Energy and Water Use

cleantechnica



TidewaterCurrent 6.15.12 - Green roofs will save energy, take in air and water pollutants, reduce runoff. <http://cleantechnica.com/2012/06/15/new-study-smart-roofs-could-transform-california-energy-water-use/>
June 18, 2012



100% Solar-Powered Great Barrier House Fuses Modern Technology With Island Life

inhabitat



TidewaterCurrent
June 8, 2012



The marvels of green construction (36)T Talk 소셜댓글 달기

koreatimes.co.kr



TidewaterCurrent 6.11.12- Korea - Green Tomorrow Home. http://www.koreatimes.co.kr/www/news/nation/2012/06/370_112829.html
June 11, 2012



Patrice Bideau's Bio-climactic House Is a Beautiful Abode On the Shore of Brittany, France

inhabitat



TidewaterCurrent 6.8.12 - <http://inhabitat.com/a-typique-architects-bio-climactic-house-is-a-beautiful-abode-on-the-shore-of-brittany-france/>
June 8, 2012



Wind Mapping Study Looks at Turbine Feasibility for Boston High-Rises

marketwatch



TidewaterCurrent 6.6.12 - A sky farm of ten 50 kW vertical axis turbines on top of high-rise can supply 10% of energy demand. Info at: <http://easternwindpower.us/about/>
June 7, 2012



Next Step In Duke's Green Revolution

today.duke.edu



TidewaterCurrent 6.6.12 - Sustainable sites program initiated at Duke. The program launch by the American Society of Landscape Architects is a rating system like LEED for landscapes. <http://today.duke.edu/2012/06/sustainable/sites>
June 7, 2012



DC high school students learn green roof design

examiner



TidewaterCurrent 6.6.12 - Fish and Wildlife Service Grant for innovative storm water management funded the GreenWorks-Phelp High School Project that will teach 20 students how to build green roofs. Once completed, 4 demonstration roofs constructed by the students will reduce runoff and thereby reduce pollution entering the Chesapeake Bay watershed.

<http://www.examiner.com/article/dc-high-school-students-learn-green-roof-design>

June 9, 2012



The Eco SolarHome Tour

ecosolar.ca



TidewaterCurrent Edmonton, Canada - Net zero, prefab and various other solar or green homes open to visitors Saturday June 9. Can't make the tour, visit the website to learn more.

http://ecosolar.ca/open_houses.html

June 7, 2012



Spotlight Solar. Beautiful solar structures. - What's New - Solar skyline in charlotte

spotlightsolar



TidewaterCurrent Charlotte, NC - <http://www.spotlightsolar.com/whatsnew/2012/2/28/solar-skyline-in-charlotte.html>

June 6, 2012



Giant Umbrellas Turn a Public Space into a Water Cleaning Art Garden

treehugger



TidewaterCurrent 6.3.12 - Sustainable Design - Portland Oregon Stormwater is diverted into bioswale which filters pollutants. <http://www.treehugger.com/urban-design/giant-bronze-umbrellas-turns-public-space-portland-water-cleaning-art-garden.html>
June 5, 2012



Green residential projects transforming Allston neighborhood - The Boston Globe

bostonglobe



TidewaterCurrent 6.7.12 - Landlord turning 2 block area into a Green zone. New construction is LEED certified, while existing building will get green upgrades like rooftop solar panels. Tenants will be required to sign a "Green Declaration" promising a commitment to energy and water conservation as well as recycling and composting. The author notes that there are similar green residential area in other cities as well. <http://bostonglobe.com/business/2012/06/06/getting-green-light-allston/y9LmYEcC7DdpALQwm4kaSK/story.html>
June 7, 2012



Chicago Joins Better Buildings Challenge

sustainablebusiness



TidewaterCurrent 6.6.12 - For a listing of all the partners including corporate, cities and universities visit: <http://www4.eere.energy.gov/challenge/>
June 7, 2012



Stramit Opens New Ag-Fiber Panel Facility

jetsongreen



TidewaterCurrent 6.5.12 - Fort Worth, TX - Rigid Compressed Fiber (CAF) (made from waste wheat straw) Factory opens. Stramit produces the product for walls, panels, flooring, doors and furniture.
<http://www.jetsongreen.com/2012/06/compressed-agricultural-fiber-panel-stramit-texas.html>
June 6, 2012



Green Office Building in Sydney Australia Redefines the Green Workplace

greenbuildconsult



TidewaterCurrent Highly rated building for sustainable technologies, including the use of Sydney harbor water for cooling and chilled beam technology. More info at: <http://www.greenbuildconsult.com/pdfs/one-shelley.pdf> . <http://www.greenbuildconsult.com/blog/info/green-office-building-in-sydney-australia-redefines-the-green-workplace/>
June 4, 2012



Cool House Tour 2012 Guidebook

issuu



TidewaterCurrent Austin's 16th annual cool house tour. http://issuu.com/margaretandersen/docs/final_coolhouse_web
June 4, 2012