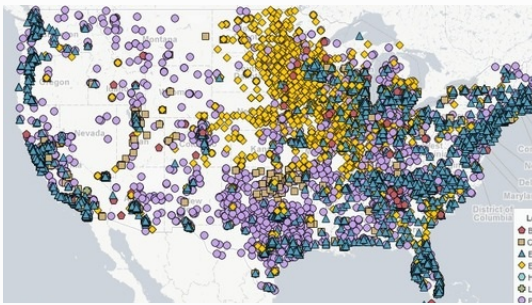


Clean - Eco Transport

by TidewaterCurrent

Highlighting sustainable transportation technologies including fuels and vehicles. See earlier posts in the "Transportation" collections.

Part of Cleantech



Alternative Fueling Station Locator and 2012 Vehicle Buyer's Guide -Tidewater Current

tidewatercurrent



TidewaterCurrent There are 9,591 alternative fuel stations in the United States and several in Tidewater.
January 20, 2013



Marine Propulsion – Is Wind back on the Horizon? - Tidewater Current

tidewatercurrent



TidewaterCurrent "With 21st Century technology, humanity may witness the resurgence of an age old transportation system: wind driven propulsion."
January 20, 2013



More protected lanes for bicyclists pop up in cities

usatoday



TidewaterCurrent "Cities find safe bike lanes appeal to young techies and bolster nearby businesses"

January 18, 2013



2013 could be a make or break year for algae fuel

gigaom



TidewaterCurrent A look at the major players in algae biofuel production. Solazyme is producing product being blended with fuel and sold at gas stations in the San Francisco area and is gearing up for commercial production in Brazil and in the US.

January 20, 2013



New City Rules Let Builders Swap Car Parking For Bike Parking

la.curbed



TidewaterCurrent "the LACity Council has passed the Bike Parking Ordinance, a measure that encourages safe and secure bike parking in lieu of car parking in all types of new development."

January 18, 2013



STX: Most Environmentally Friendly Large Cruise Vessel Ever Built

shipandbunker



TidewaterCurrent (LNG)-powered ferry starting service between Finland and Sweden meets strict emission standards.

January 15, 2013



Eco Industries Promote Sustainable Shipping technologies - Tidewater Current

tidewatercurrent



TidewaterCurrent "When Enercon, the world's 3rd largest wind turbine manufacturer, needed a ship to transport their equipment, they naturally wanted one that would utilize wind power. They adopted a unique towering wind rotor propulsion system called the Flettner drive developed and employed on a couple of vessels early in the 20th century. The result of their vision is the E-Ship 1 s pictured below. 4 towering rotor turbines help propel the ship (via the Magnus effect). "

January 20, 2013



Bikes and Buses Propel Mexico City to Sustainable Transport Award

news.nationalgeographic



TidewaterCurrent "New bus corridors such as the line seen here running through the city center have helped Mexico City clear its traffic-clogged streets and earn the Sustainable Transport Award."

January 17, 2013



The Hyper-Efficient TWIKE Human-Electric Hybrid Vehicle

treehugger



TidewaterCurrent "A top speed of 85 km/h (55 mph) enables the TWIKE to take to the highway, although the road less traveled will always be the preferred route. By pedaling, the touring range can be increased from 5 to 20%,"

January 16, 2013



Shipper Maersk Wants Hong Kong to Require Clean Fuel

businessweek



TidewaterCurrent "Maersk Line, the world's biggest container-shipping company, says it's willing to continue using low-sulfur fuel on container ships sailing from Hong Kong's port to help curb the city's big pollution problem. There's only one catch: Maersk wants the government to force its rivals to be green, too."

January 16, 2013



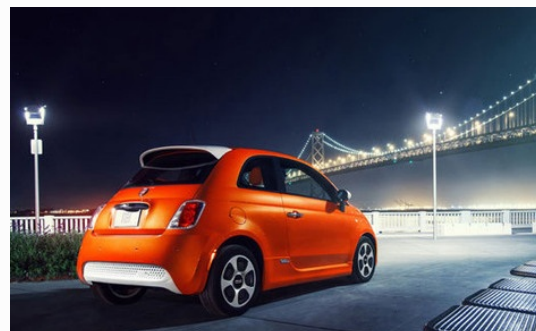
\$10MM EERE Funding Opportunity for Algae Biofuel Advancements

cleantechnica



TidewaterCurrent "Aiming to build on the current body of knowledge, EERE identified three priority areas of integrated research: Improvements in Algal Biomass Productivity; Improvements in Preprocessing Technologies; and Technical Advances that Enable Integration of Algal Biomass Unit Operations."

January 18, 2013



New Fiat500e gets best-in-class 116MPGe rating | SmartPlanet

smartplanet



TidewaterCurrent

January 12, 2013



A solar-powered electric hybrid coming to commuters soon | SmartPlanet

smartplanet



TidewaterCurrent More on the ELF - "The designers, Organic Transit, are an Durham, N.C.-based startup who propelled their idea on to the transport scene through crowdfunding website Kickstarter. They say that the vehicle can travel up to 30 miles on a single charge, and is able to reach 1800 miles for the "energy equivalent" of 1 gallon of gas." Cost is expected to be \$3900.
January 16, 2013



Bike Spikes Allow For Urban Rides In The Snow

fastcodesign



TidewaterCurrent
January 14, 2013



All-Biofuel Jet Flight Was Way Clean «

earthtechling



TidewaterCurrent Canada tests 100% biofuel powered flight.
January 12, 2013



World's first car-carrying electric ferry to see use in Norway

gizmag



TidewaterCurrent "developed by Siemens and Norwegian shipyard Fjellstrand, the vessel can recharge its batteries in just ten minutes."
January 12, 2013



Solar ship aims to soar

bbc



TidewaterCurrent 1.13.13. - "Solar panels - spread across the topside of the aircraft - power an electric motor, which then turns a propeller and provides the thrust necessary for taking off, flying and landing. The aircraft is suspended by a giant helium-filled balloon, which generates lift statically (exactly like a blimp.) The buoyancy from the helium also helps counterbalance the weight of the solar panels and batteries."
January 14, 2013



U.S. Researchers Working to Commercialise Micro-Algae Biofuel

shipandbunker



TidewaterCurrent 1.10.13 - "The University of Southern Mississippi Department of Marine Science says it is taking part in an international study on the possibility of turning micro-algae into fuel....A report by the U.S. Maritime Administration (MARAD) in June found that algae-based biofuels could reduce emissions by 25 percent, but the RAND Corporation has said biofuels are likely to be unable to compete with petroleum products because of their high cost."
January 15, 2013



Ford EVs Spark A Revolution Linking Homes To Cars

cleantechnica



TidewaterCurrent "The inclusion of SunPower in the partnership helps to resolve one key conundrum of EV ownership, which is the use of grid-supplied electricity that includes electricity generated by coal or oil, to power "emissionless" cars "
January 9, 2013



DOD Electric Vehicles Will Supply Power to Local Grids

ewind.es



TidewaterCurrent "The Air Force has the lead on the project, which envisions Los Angeles Air Force Base becoming the first federal facility to replace everything from passenger sedans to shuttle buses with electric versions. ...the department expects to use these idle, charged vehicles to resupply power grids at times of peak demand, thereby providing stability to stressed electrical grids and, in the process, generating a financial return for the government."
January 12, 2013



Highway of the future is seriously smart

salon



TidewaterCurrent 1.3.13. - "The Dutch design lab Studio Roosegaarde...has developed solar powered glow-in-the-dark roads that charge during the day to illuminate your evening drive, dynamic asphalt paint that transforms in response to road conditions like ice and sleet, and car lanes that double as electric car chargers by using magnetic fields under the asphalt. "
January 5, 2013

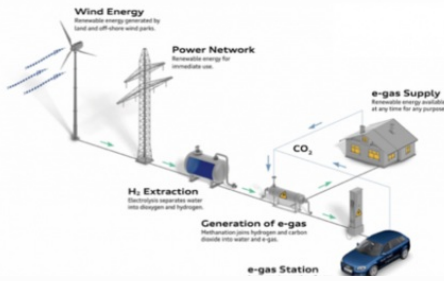


Researchers seek longer battery life for electric locomotive

sciencedaily



TidewaterCurrent 1.4.12 - "Penn State and Norfolk Southern, which operates 21,000 route-miles in 22 states, began developing locomotive No. 999 in 2008 to evaluate the application of battery technologies for railroad motive power, with particular interest in energy savings and emissions reduction."
January 4, 2013



The future of transportation might be carbon-neutral e-fuel | Digital Trends

digitaltrends



TidewaterCurrent "e-fuels ...are made by combining hydrogen extracted from water via electrolysis with CO2 that comes from processing organic waste. This method synthesizes methane, and since the infrastructure and technology for powering cars with natural gas already exists, ...What's more, the manufacturing process removes CO2 that would otherwise go into the atmosphere. Since Audi says that the actual manufacturing will use only wind and solar energy, and the fuel only gives off as much CO2 when burned as it absorbed during manufacturing, the fuel comes out carbon-neutral. Audi has even announced plans to build a car specifically for this new kind of fuel that will be based on the A3."

January 8, 2013

GOODYEAR AIR MAINTENANCE TECHNOLOGY



New Tire Technology Pumps Up Fuel Savings «

earthtechling



TidewaterCurrent "Selected by Car & Driver magazine as one of the 10 most promising future technologies for 2012, one of the winners of the POPULAR MECHANICS 2012 Breakthrough Awards and named one of the best inventions of 2012 by TIME, Goodyear's self-regulating tire has the potential to revolutionize tire maintenance. The technology—called Air Maintenance Technology—works similar to the way muscles push food through the human digestive tract. When an internal sensor detects a drop in tire pressure, a valve opens to allow air to enter a tube mounted inside the tire. As the tire moves forward, the weight of the vehicle pushes the air through the tube, filling the tire back to optimal pressure and then closing the valve. And all of this happens without any action by the driver."

January 5, 2013



Staten Island Ferry to Get a Green Upgrade for 2013

inhabitat



TidewaterCurrent One ferry in the fleet will run on LNG. The payback for the \$3 million conversion is expected to be only 1 year while reducing CO2 emissions 25%.

January 3, 2013



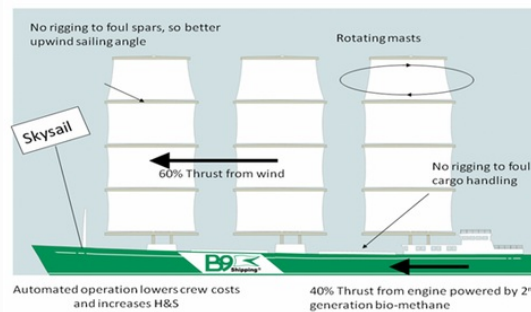
Carbon Reduction Combined with Algae Fuel - Front Page Journal -

ecori



TidewaterCurrent Tomorrow Biofuels of Rhode Island is looking to become carbon negative. The company plans to capture carbon from a facility that creates electricity from food waste to feed algae production. In addition to fuel, there is a market for algae for animal feed and supplements.

January 3, 2013



Marine Propulsion – Is Wind back on the Horizon? - Tidewater Current | Fall 2012

tidewatercurrent



TidewaterCurrent 10.2.12 - 90% of global trade is transported on vessels burning high polluting fuels. Wind is a benign and readily available resource on the high seas that innovative ship designers are looking to harness in new projects.

January 4, 2013



How Algae Got a Boost from the Fiscal Cliff Deal

kunc



TidewaterCurrent "Wind isn't the only alternative energy industry to get a boost from the Fiscal Cliff deal. Also included is a tax credit for algae growers encouraging biofuel production that could one day power cars and boats. According to Biofuels Digest, the new tax credit would work out to about \$59 million over 10 years for producers of algae biofuels."
January 3, 2013

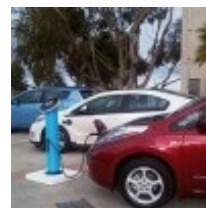


Aerodynamic TrailerTails could save billions of gallons of diesel | Eco Chunk

ecochunk



TidewaterCurrent "ATDynamics has come up with TrailerTail – a box-kite-looking assembly of panels that can be permanently installed on an average shipping container in just an hour. Core 77 states that costing about \$2200 each, the TrailerTail unfurls and gives the rear-end of the cargo truck a more aerodynamic shape, letting it easily slice through the air and thereby saving about 6 percent of fuel in the process. ... saving about 1.6 billion gallons of diesel and 14 million tons of CO2 annually."
January 3, 2013



Huge Surge Of Sales For Electric Vehicles In 2012

ewind.es



TidewaterCurrent 12.22.12 - "2012 was a grand year for hybrids and electric cars of every make and model. Sales have jumped a whopping 73 percent compared to 2011."
December 24, 2012



First Converted Hybrid Train with Regenerative Braking Could be a Game Changer

treehugger



TidewaterCurrent 1.1.13 -German train on a high stop route will use power harvested during breaking. "In addition to reducing fuel consumption, the MTU hybrid power pack supports emissions-free movement in sensitive or populated areas such as in the station area. Braking energy can be stored in a lithium-ion battery and used for starting, accelerating, or for supplying electrical loads on the train. Battery packs sit on the roof, where they are cooled by the air streaming across the top of the train while it is in motion."

January 2, 2013



Hiriko 'folding' EV will be produced for German car-sharing project next year

green.autoblog



TidewaterCurrent 8 ft. car can be folded into 5 ft. space.

December 22, 2012



Tesla's solar powered superchargers hit the east coast

gigaom



TidewaterCurrent 12.26.12 - Six of the superchargers were installed in Ca. and two on the East Coast in Wilmington, DE and Milford, Ct. Tesla is offering free charging to model S owners. Charge time is only 30 minutes.

January 2, 2013



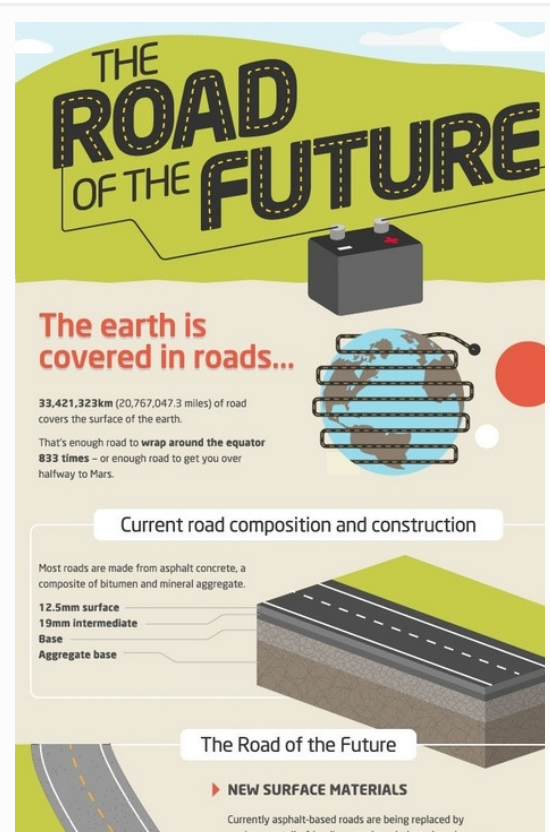
Fuel Cell Powered Vehicle Ferry to be Developed in Scotland - FuelCellToday - The leading authority on fuel cells

[fuelcelltoday](#)



TidewaterCurrent "Caledonian Marine Assets Ltd (CMAL) is working closely with Scotland's main ferry operator to develop the world's first car and vehicle ferry powered by hydrogen fuel cells. This revolutionary vessel would produce no exhaust fumes and could run on 'green' hydrogen produced using renewable electricity generated overnight from local wind farms or other renewables."

December 26, 2012



Here's the smart road of the future | SmartPlanet

[smartplanet](#)



TidewaterCurrent Nice Infographic.
December 27, 2012



Solar-Powered Mini-Boat Launched

[marinelink](#)



TidewaterCurrent On a bright sunny day the boat can cruise at 4 knots for the whole day
December 22, 2012



U.S. House passes NDAA

biomassmagazine



TidewaterCurrent The bill (which still requires Senate approval) permits the DoD to continue plans to develop and use advanced biofuels, "Congress and the Administration have offered a clear endorsement of our military's use of drop-in biofuels as an important part of our national security and energy independence," said Advanced Biofuels Association President Michael McAdams. "With this support, the advanced biofuels industry will continue to grow and be an important part of America's energy future."

December 24, 2012



Voltitude fold-up pedal-assist electric bike rolls into production

gizmag



TidewaterCurrent "Voltitude is selling the V1 for CHF4,990 (approx. US\$5,465), with shipping expected to kick off at the end of March, 2013"

December 20, 2012



Raleigh, NC becomes first US city to adopt wireless EV charging project

green.autoblog



TidewaterCurrent Raleigh has joined the Apollo Program to tests wireless electric vehicle chargers made by Virginia based Evatran.

December 18, 2012



Gothenburg Low-Sulfur Campaign Reaches 43 Vessels

shipandbunker



TidewaterCurrent Swedish port offers financial compensation to vessels that use low sulfur fuel and has achieved 100 tonne reduction in sulfur dioxide emissions.

December 15, 2012



British Airways Sustainable Jet Fuel Plant Set For Take-Off

designbuildsource.com.au



TidewaterCurrent "We are delighted that the GreenSky London project is getting ever closer to fruition," said Keith Williams, chief executive of British Airways, which is aiming to reduce its net carbon emissions by 50 per cent by 2050. "With world-class technology partners now in place, we are well on our way to making sustainable aviation fuel a reality by 2015."

December 17, 2012



Smart-transportation spending will quadruple to \$102 billion by 2018

green.autoblog



TidewaterCurrent 12.18.12 - "In August, the US Department of Transportation announced plans for what will be the world's largest real-world test of smart-vehicles, including vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications. The test will include almost 3,000 General Motors and Ford cars, buses and trucks in the Ann Arbor, MI, area."

December 20, 2012



Chicago likes bikes — and it's about to prove it in a big way

grist



TidewaterCurrent 12.14.21 - Streets for Cycling Plan will create 654 miles of bike lanes by 2020.

December 15, 2012



Indianapolis to replace entire city fleet with EVs, hybrids

greenerideal



TidewaterCurrent 12.13.12 - The conversion of 31,000 vehicles is expected to be complete by 2025. December 14, 2012



Photo of the Week - Solar Roadways Could Power the Entire World

govtech



TidewaterCurrent "There's 25,000 square miles of road surfaces, parking lots and driveways in the lower 48 states. If we covered that with solar panels with just 15 percent efficiency, we'd produce three times more electricity than this country uses on an annual basis, and it's almost enough to power the entire world," December 12, 2012



Audit: Port of Seattle Clean Air Subsidy Illegal

shipandbunker



TidewaterCurrent Fuel subsidies paid to low sulfur carriers have reduced soot emission by a third at the Port of Seattle, but state auditor says those subsidies are illegal. Port officials are looking to change the program. December 15, 2012



Qatar aims to build biofuel industry on sea organisms - E & T Magazine

eandt.theiet



TidewaterCurrent The state-backed £7.8m biofuel project is the only one of its kind in the region. Run by the university in collaboration with Qatar Airways and Qatar Science and Technology Park (QSTP), it is now into its third year....The project aims to produce affordable, sustainable biofuels that do not use valuable arable land and that can be produced efficiently in the punishing climate of Qatar.

December 12, 2012



VW Debuts the Eco Up! Natural Gas Car (29% Less CO2 per Mile than the Prius)

treehugger



TidewaterCurrent
December 9, 2012



U.S. Roads and Bridges Are Getting Smarter

govtech



TidewaterCurrent 11.1.12 - First awarded FHWA monies for prototype construction in 2009, Idaho-based Solar Roadways also proposes embedding LED lights in the road surface to make nighttime driving safer. The company also may add heating elements to help combat the accumulation of snow and ice on roads in colder climates. Using a subsequent injection of federal funding, the company is building a solar parking lot to further test the technologies and ready solar roadways for broader use. These solar-powered transportation surfaces are expected to have a minimum lifespan of 20 years, during which time, co-creator Scott Brusaw anticipates the energy-producing capacity of solar cells will continue to grow. Such improvements, he said, will allow solar roadways to produce even more energy, keeping up with...
December 12, 2012



Ultralight 81 Pound Airplane to Attempt World Record For Human-Powered Flight

inhabitat



TidewaterCurrent "ultralight airplane that's powered by a simple set of pedals"

December 12, 2012



10 Most Fuel Efficient Cars

cleantechnica



TidewaterCurrent 12.9.12 -
December 9, 2012



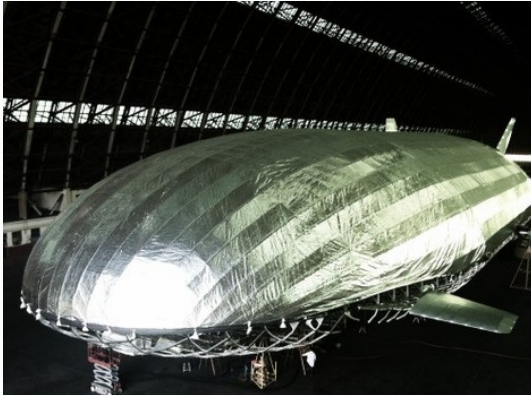
Los Angeles Streetcar Approved By Voters

cleantechnica



TidewaterCurrent 12.5.12 - "The streetcar, which needed a 2/3 majority to pass, received 73 percent of the 2,066 ballots cast. The vote was specifically on a plan to tax property owners near the planned route."

December 5, 2012



Aeroscraft dirigible airship prototype approaches completion

gizmag



TidewaterCurrent 12.4.12 -

"California-based Aeros Corporation has created a prototype of its new breed of variable buoyancy aircraft and expects the vehicle to be finished before the end of 2012. With its new cargo handling technology, minimum fuel consumption, vertical take-off and landing features and point to point delivery, the Aeroscraft platform promises to revolutionize airship technology."

December 5, 2012



First North American LNG Ferry Planned

shipandbunker



TidewaterCurrent 12.3.12 - "The ferry, ordered by Société des traversiers du Québec (STQ), will be used on routes crossing the St. Lawrence River. The ferry will use Wärtsilä 34 dual-fuel generating sets, which can reduce nitrogen oxide (NOx) emissions to 85 percent below current International Maritime Organisation (IMO) rules, drop carbon dioxide (CO2) emissions by a quarter compared with conventional diesel fuel engines, and reduce sulfur oxide (Sox) and particle emissions to close to zero percent."

December 6, 2012



SD Zoo Solar-To-EV System Is The Real Deal «

earthtechling



TidewaterCurrent 12.3.12 - PV canopies generate more than enough power for 5 charging stations.

December 3, 2012



Solar Impulse On 60 Minutes

awweb



TidewaterCurrent 12.3.12 - Next year the solar powered plane will fly from California to Virginia.
December 4, 2012



Endesa presents wireless charging for electric vehicles for the first time in Spain

ewind.es



TidewaterCurrent 12.4.12 - "Endesa and Fundación CIRCE have presented for the first time in Spain a wireless charging system for electric vehicles, which allows electric batteries to be 80%-charged in 15 minutes."
December 4, 2012



Connecting Electric Cars And Clean Energy «

earthtechling



TidewaterCurrent Depending on where you live, EVs are often powered via polluting coal. A paper from NEDC researchers highlights the progress being made to bring clean power to EV owners.
December 3, 2012



ELF velomobile is powered by you and the Sun

gizmag



TidewaterCurrent 12.3.12 - "Prototypes of the ELF are presently being built by Organic Transit, a Durham, North Carolina-based company founded by entrepreneur Rob Cotter."
December 4, 2012



2013 Fiat 500e Electric Car Unveiled at the Los Angeles Auto Show!

inhabitat



TidewaterCurrent 12.2.12 - "The Fiat 500e will be able to travel approximately 80 miles between charges and delivers an estimated 116 MPGe city and 100 MPGe highway. According to Fiat it will take less than 4 hours to recharge the 500e using a 240 volt outlet and up to 24 hours on a 120 volt outlet...Fiat hasn't announced pricing for the 2013 Fiat 500e, but it will arrive by next summer."

December 3, 2012



Flying the Friendlier Skies | OnEarth Magazine

onearth



TidewaterCurrent
December 2, 2012



Spark EV Introduced at LA Auto Show

ecogeek



TidewaterCurrent 11.29.12 - "The SAE Combo DC Fast Charging capability is a new industry standard, and the Spark EV will be the first electric vehicle to offer it in North America."

November 29, 2012



Oceanic Algae Can Be Crude, Oil That Is : Discovery News

news.discovery



TidewaterCurrent "Marine algae bio-oil rigs could keep the plant-powered power source from competing for shrinking fresh water supplies, while greatly expanding the area available for production."

November 29, 2012



Obama administration launches project to develop electric-vehicle batteries

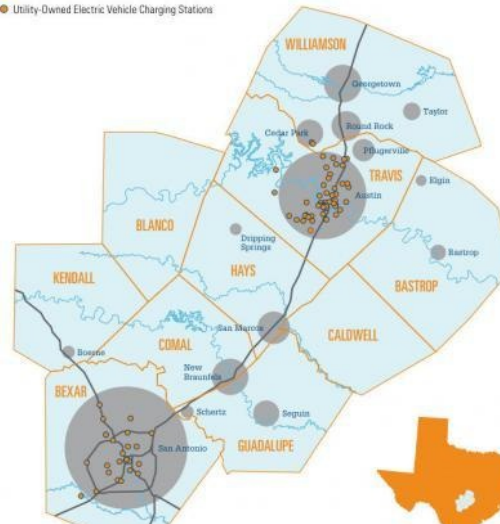
ewind.es



TidewaterCurrent 12.1.12 - The Obama administration launched a fresh \$120-million research project Friday, aimed at developing cheaper batteries for electric vehicles,....Led by the Argonne National Laboratory near Chicago, the new research hub will combine several independent research programs into a single coordinated effort "to push the limits on battery advances," the department said."

December 2, 2012

● Utility-Owned Electric Vehicle Charging Stations



Here Comes an Electric Vehicle Corridor From Austin to San Antonio

kutnews



TidewaterCurrent "Plans for a regional electric vehicle corridor are getting a \$500,000 boost from the Department of Energy."

December 1, 2012



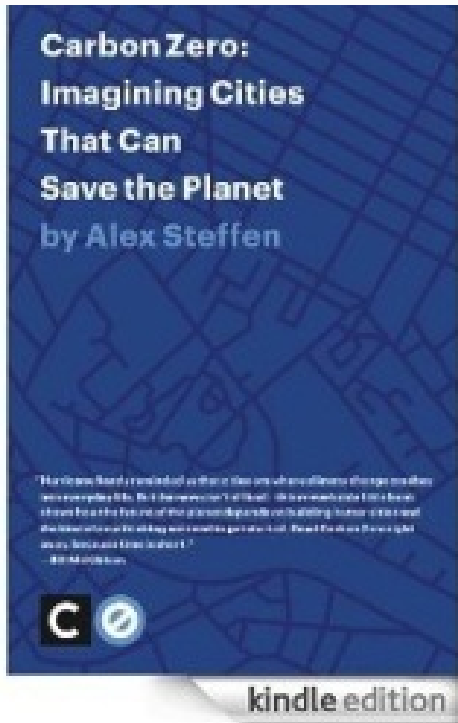
Audi Is Working On A Car That Gets 282 MPG - Forbes

forbes



TidewaterCurrent

November 28, 2012



Move a little closer, please: 'Carbon Zero,' chapter 3

grist



TidewaterCurrent Chapter 3 Excerpt from Carbon Zero - Making More Walkable Cities. - "Because we're so dependent on our cars, when we think of improving transportation...But the problem we need to solve isn't traffic: It's access. We have another choice, though: access by proximity. Simply put, access by proximity means building neighborhoods where the things we want are nearby...Compact communities bring more destinations closer together; this alone promotes walking...The more people-focused neighborhoods a city has, the better those neighborhoods work. Walkable streets experience what we call "network effects." The whole chapter is on-line and every a new chapter is being posted.

November 30, 2012



JR Tokai Unveils Japan's New Blazing Fast 310 MPH Maglev Train

inhabitat



TidewaterCurrent 11.29.12 - Prototype floating train will cost \$102 billion due to go into service in 2027. November 29, 2012



Hirobo's Futuristic One-Man Electric Helicopter is the Ultimate James Bond Gadget

inhabitat



TidewaterCurrent November 27, 2012



Sailing Into a Sustainable Future

tidewatercurrent



TidewaterCurrent Several posts on how renewable technologies are being integrated into the shipping/watercraft industry. Biofuels, kites, wind are among the technologies highlighted as well as port, shipping and eco industry initiatives.

November 27, 2012



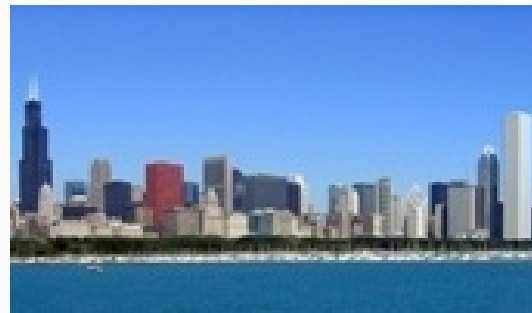
US Senate Backs Military, Obama On Green Fuels «

earthtechling



TidewaterCurrent 11.29.12 - "By a 62-37 vote, the Senate struck down a section of the National Defense Authorization Act that would have kept the Defense Department from buying any alternative fuels that cost more than conventional fuels...The vote doesn't end debate on the topic – the House version of the Defense spending bill has its own biofuels prohibition – but it does remove one hurdle that the Pentagon was facing as it seeks to decrease its reliance on oil."

November 29, 2012



Motiv Power Systems gets \$13.4m contract to electrify Chicago's garbage trucks

newenergyworldnetwork



TidewaterCurrent 11.19.12 - 20 trucks of a fleet of 600 will initially be converted to electric power.

November 20, 2012



Slowing Cargo Ships More Than Halves Pollution near Ports: Scientific American

scientificamerican



TidewaterCurrent "A speed limit of 14 mph, down from the current cruising speeds of 25 to 29 mph, would cut nitrogen oxides – a main ingredient of smog – by 55 percent and soot by almost 70 percent, according to the University of California, Riverside study" November 26, 2012



Home Depot Now Offering 30 Electric Vehicle Chargers Online

cleantechnica



TidewaterCurrent 11.22.12 - November 22, 2012



Hybrid Container Ship Wind-Driven With 'Automatic' Sails

treehugger



TidewaterCurrent 11.26.12 - "The Ecoliner is estimated to have a top speed of 18 knots, and when speeds drop below 12 knots it needs the assistance of an electric motor. The Ecoliner is scheduled to be ready next year, in 2013." November 26, 2012



City OKs Daphne Utilities lease with algae biofuel, wastewater treatment company

blog.al



TidewaterCurrent 11.19.12 - Algae Systems of Nevada is partnering with Kevin Jones of Earth Clean Technologies in Daphne, Alabama to treat water by using algae to remove pollutants that will subsequently be harvested to create biodiesel fuel.
November 20, 2012



Can't Smoke That [Canadian] Car — 'Kestrel' Hemp Car Available By Next Year

addictinginfo



TidewaterCurrent "Canadian company Motive Industries Inc. is planning on rolling out the Kestrel, a bio-composite hybrid electric car made from hemp and other natural and synthetic fibers, in late 2012 or in 2013. The body is made from impact-resistant hemp mats manufactured by a company that is owned by the Canadian government."
November 18, 2012



Coffee & Beer? The 6 Weirdest Alternative Fuel Sources

care2



TidewaterCurrent
November 18, 2012



Cargo Bikes, Families, Redefining Material Wisdom –

bikocity



TidewaterCurrent
November 26, 2012



SBU V3 Is The Electric Unicycle Of Your Dreams «

earthtechling



TidewaterCurrent 11.14.12 - \$1800 /
15 mph for up to an hour.
November 14, 2012



LA Metro Signs \$3.6 Million Deal With VYCON to Harvest Energy from Speeding Subway Trains

inhabitat



TidewaterCurrent
November 17, 2012



Build it yourself at the UK's first bamboo bike workshop

guardian.co.uk



TidewaterCurrent 11.16.12 -
"Bamboo Bike Club run over one weekend a month in east London and cost £389; gear packs cost £218-299. Pop-up workshops nationwide (UK) are proposed for 2013."
November 17, 2012



First-Of-Its-Kind Wireless Electric Bus Of The Future Debuts In Utah

cleantechnica



TidewaterCurrent 11.16.12 - Utah State University prototype bus charges wirelessly on route at regularly scheduled stops. The project received \$2.7 million in funding from the Federal Transit Administration.
November 17, 2012



Space-age rapid transit to debut in Tel Aviv | ISRAEL21c

israel21c



TidewaterCurrent "Developer of NASA-designed skyTran chose Israel as the perfect place to pilot the software-guided personal transport pods that glide on a cushion of air...The cost of implementing skyTran is estimated at \$9 million per mile, as opposed to \$100 million per mile for a light rail system and \$20 million per lane for buses. The fare will probably be competitive with Tel Aviv's sherut (taxi van) service, says Sanders. And maintenance costs would be remarkably low."
November 17, 2012



A macho electric Baja racer for the U.S. military

mnn



TidewaterCurrent The EV1 was built for the Baja 1000, but now the armed forces are taking an interest. Why not, when this thing can go anywhere and combat-ready gasoline is \$435 a gallon?
November 14, 2012



Drive On: Algae-based diesel biofuel goes on sale

usatoday



TidewaterCurrent 11.14.12 - 20% algae diesel blend on sale in San Francisco.
November 14, 2012



A Mass-Transit Proposal To Connect A City Using Aerial Gondolas

fastcodesign



TidewaterCurrent 11.12.12 - "Michael McDaniel unveiled an ambitious plan called the Wire, which proposes a network of gondolas over Austin, Texas."

November 13, 2012



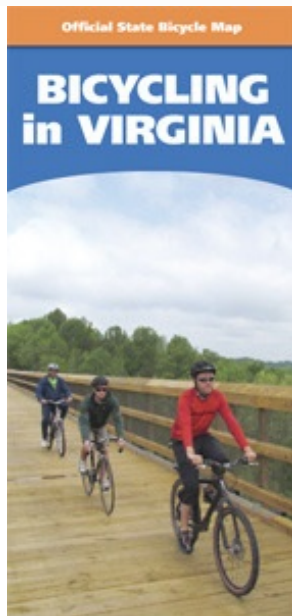
Company Says Wind Energy Could Mean Big Fuel Savings

shipandbunker



TidewaterCurrent 11.13.12 - Solar Sailor technology used on passenger ferries can be installed on commercial bulk container ships and save hundreds of thousands of dollars in fuel costs. From the CEO: "There is immense energy in the oceans which can be harvested and used by ships and we have the technology to efficiently harvest that energy,"

November 14, 2012



New 'Bicycling in Virginia' State Bike Map Available

vabike



TidewaterCurrent
November 13, 2012



Volt, Nissan Leaf to Offer Wireless Charging

ewind.es



TidewaterCurrent "Evatran, a maker of Plugless Power brand wireless car chargers, will begin offering the devices to buyers of the Nissan Leaf and Chevy Volt in March of 2013"

November 6, 2012



Lift-off for urban cable car projects as cities seek transport solutions - France is the latest country to master the air and allow pedestrians to rise above the jams

guardian.co.uk



TidewaterCurrent 11.6.12 - "Brest, in Brittany, will be the first to be "wired" in 2015." "The most significant experiments were made in the 2000s by Medellin, Colombia, and Caracas, Venezuela. Cable cars, rethought as a means of mass transport, were clean, producing no carbon dioxide emissions directly, and ended the isolation of the poorest neighbourhoods."
November 13, 2012



Honda Civic Diesel Achieves 65 MPG

cleantechnica



TidewaterCurrent 11.7.12 - One sale Jan 2013 in Europe.
November 7, 2012



Electric Vehicles Going For Zero Down Over In China «

earthtechling



TidewaterCurrent 11.7.12 - "To make this zero down payment program happen for BYD's e6 taxi cabs and K9 electric buses, it partnered with the China Development Bank and China Everbright Bank. There's been no word of whether this program will spread outside of China or not"
November 9, 2012



New Fort Myers plant creating biodiesel out of restaurants' used cooking oil

naplesnews



TidewaterCurrent 11.12.12 - "The recently opened plant, which operates as FL Biofuels, is collecting vegetable oil to make fuel. It's the only plant of its kind at a state farmer's market."
November 12, 2012

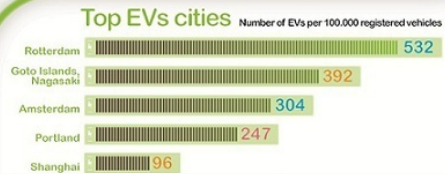
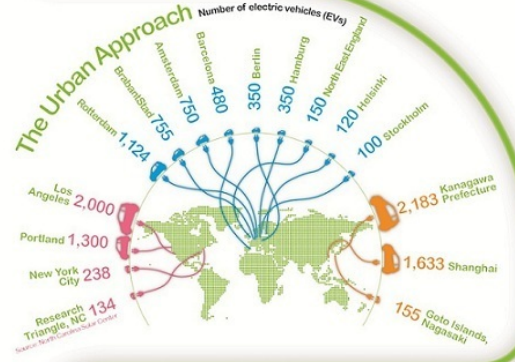
The Daily Progress

High-speed rail taking a new turn

www2.dailyprogress



TidewaterCurrent "Alexander E. Metcalf, president of the consulting firm Transportation Economics & Management Systems, Inc., is working with the Hampton Roads Transportation Planning Organization on the possibility of a high-speed rail project. "Unbeknownst to most Virginians, [Mr.] Metcalf says, the Norfolk-Richmond-Washington route may be the best prospect in the country for high-speed passenger service outside of the densely populated Washington-New York corridor," reports Bacon's Rebellion." November 7, 2012



The Most Successful Electric Car Cities (+ Infographic)

cleantechnica



TidewaterCurrent 11.11.12 - November 12, 2012



A \$10 billion bullet train for Texas? | SmartPlanet

smartplanet



TidewaterCurrent Private sector driven. November 6, 2012



Compressed Air Motorcycle Breaks 80 MPH With Ease «

earthtechling



TidewaterCurrent 11.5.12 - O2 Pursuit designed in Australia is powered by a scuba tank of air can go 60 miles on one tank and reach speeds over 80 mph
November 6, 2012



Great Ideas on Energy: Artificial Photosynthesis, Algal Fuel, Hybrid Ships

alcalde.texasexes



TidewaterCurrent 11.12 - University of Texas researchers are looking into a lot of innovative technologies. One researcher wants to make battleships the Priuses of the high seas. The hybrid ships could save 37% of fuel conventionally used.
November 3, 2012



Car geeks say the all-electric Tesla is the best car

grist



TidewaterCurrent 11.2.12 - "Automobile Magazine, a publication for genuine gearheads, has named — of all the cars in the world — the electric Tesla Model S as the 2013 Automobile of the Year."
November 2, 2012



The future of sustainable transport: solving global gridlock - live debate

guardian.co.uk



TidewaterCurrent "How do urban infrastructure, the energy grid and technology need to connect to deliver more sustainable transport solutions? How will patterns of behaviour around mobility shift in the context of urbanisation? On Wednesday 14 November Guardian Sustainable Business and Ford will convene a panel of experts to discuss the future of mobility. The discussion will be streamed live on this page and we'd like you to get involved."
November 2, 2012



Turning Algae To Biofuel In A Minute -

redorbit



TidewaterCurrent 11.1.12 - If researchers can economically produce fuel from algae, the US could potentially produce all the fuel it consumes in an area the size of New Mexico. University of Michigan researchers have developed a method that may be a game changer. They pressure cooked wet algae for a minute and were able to extract all most all of the energy it contained. But they need to further develop the process to see if it really will produce energy faster and cheaper.
November 1, 2012



Industry Canada Industrie Canada

Era of 100% petroleum-free aviation debuts with first all-biofuels flight in Canada

biofuelsdigest



TidewaterCurrent 10.29.12 - Ottawa, Canada - Flight fueled with oilseed made using Agrisoma Resonance Energy feedstock and a proprietary process developed by Applied Research Associates.
October 30, 2012



German River Touring Boat Uses Clean Fuel Cell Technology «

earthtechling



TidewaterCurrent Hydrogen powered ferry in Hamburg.
October 29, 2012



Good idea: Heated bike lanes for icy streets | SmartPlanet

smartplanet



TidewaterCurrent Expensive undertaking, but officials say the costs would be offset by fewer accidents and less maintenance expenses.
October 26, 2012



Sol Design Lab grows artistic solar charging station business

cleanenergyauthority



TidewaterCurrent 10.31.12 - Marketing only at music festivals, a young entrepreneur is selling solar bike and electronic charging stations. The stations are located in Amherst and Cape Cod, Mass., San Francisco and Austin.
October 31, 2012



Killington Resort Gondola Now Powered by Cow Manure

treehugger



TidewaterCurrent Green Mountain Power collects manure from 10,000 cows in Vermont and converts it to biogas.
October 26, 2012



USC Researchers Working to Make Shipping Industry Greener

maritime-executive



TidewaterCurrent 10.22.12 - "Researchers at the University of Southern California's Viterbi School of Engineering are collaborating with Hong Kong's Tai Chong Cheang (TCC) Group to reduce greenhouse gas emissions caused by the marine Diesel engines currently powering the world's merchant shipping fleets."
October 22, 2012



Ending The Food V. Fuel Debate: Researchers Define Surplus Land – ecomagination

ecomagination



TidewaterCurrent "Biofuel crops can be planted along the edges of farmers' fields, for example, where they'll make use of formerly wasted space and also trap crop runoff – a common pollutant – and prevent it from emptying into nearby streams and lakes. Mosaics of biofuel crops planted together would create better habitat for wildlife than the typical crop monocultures. And amidst the broader agricultural landscape, diverse biofuel plants may help create microclimates that mitigate climate change."

October 31, 2012



Cute Solar Charging Canopies Tilt Toward Sun

treehugger



TidewaterCurrent 10.23.12 - Sweden - "Solelia says the tilting canopies can produce up to 30% more electricity than conventional fixed solar cells. The canopies can be ordered in any color."

October 23, 2012



Nissan Leaf All-Electric Taxi Cab Fleet Coming To Virginia «

earthtechling



TidewaterCurrent 10.24.12 - "EV Taxicabs, according to the Washington Examiner, needs to first gain approval of the Arlington county board of supervisors before it can begin operation. It looks likely it will happen, given that the county manager there has already recommended the company be granted approval for 40 cabs out of a total of 65 new vehicles being added to the county's existing 765 cabs."

October 24, 2012



Google-backed Cool Planet hopes to raise (a lot of) money for biofuel plant

gigaom



TidewaterCurrent 10.24.12 - "The company uses high heat and pressure to compress woodchips, crop wastes or other feedstock in an oxygen-free environment. ... This process creates vapor that is then converted to fuel. The process also generates biochar" which can be used as fertilizer.

October 24, 2012



Sunseeker team building a two-passenger solar-powered airplane

gizmag



TidewaterCurrent 10.25.12 - "the Sunseeker Duo is still a work-in-progress, and in order to help bring the project to completion, the Sunseeker team has turned to Kickstarter to raise funds. If all goes to plan, project leader Eric Raymond aims to make a series of flights worldwide, beginning with a circumnavigation of the Americas, with the goal of highlighting the benefits of solar technology."

October 26, 2012



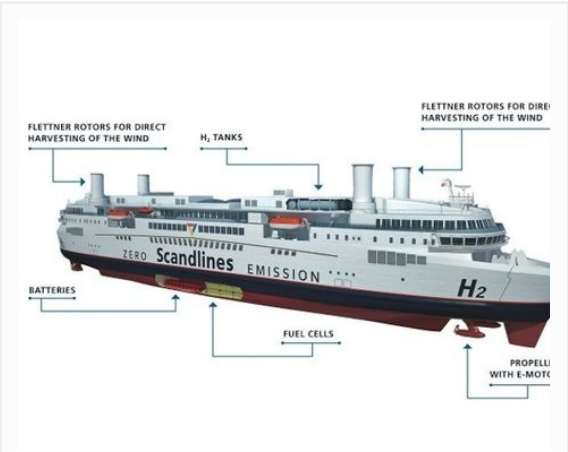
Charlotte Gets Huge Light Rail Expansion

cleantechnica



TidewaterCurrent

October 20, 2012

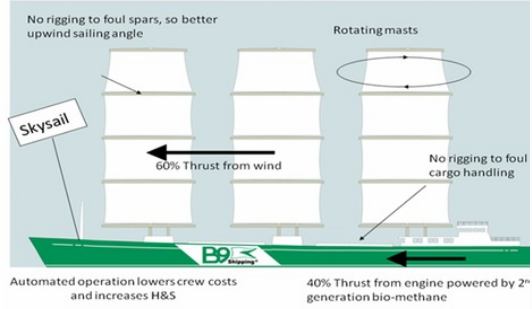


New Ferry Goes To Zero Emissions : Discovery News

news.discovery



TidewaterCurrent 10.24.12- "A passenger ferry that emits zero carbon will be plying the routes between Denmark, Germany and Sweden in the next five years. FutureShip, a subsidiary of GL Group, has designed a ship that runs on a combination of solar power, fuel cells, batteries and wind power. It can hold 1,500 passengers and about 1.3 miles of parking space for cars." See more in Clean - Eco Transport. October 25, 2012



Marine Propulsion – Is Wind back on the Horizon? - Tidewater Current | Fall 2012

tidewatercurrent



TidewaterCurrent 90% of global trade is transported on vessels burning high polluting fuels. Wind is a benign and readily available resource on the high seas that innovative ship designers are looking to harness in new projects. See more snips in Clean - Eco Transport collection. October 21, 2012



Pentagon, World's Biggest Fossil Fuel User, Shops for Biofuels

businessweek



TidewaterCurrent 10.19.12 - The DoD will soon announce 5 grants to companies producing renewable fuels Up to \$180 million will be provided over time to fund commercial production. They are looking to provide half of their fuel (which was some 130 million barrels last year) with renewable sources. The author goes on to discuss the companies likely to win grants. See more on biofuels in the Clean - Eco Transport collection.
October 21, 2012

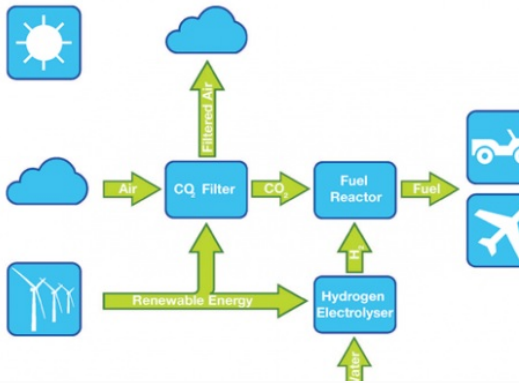


Solar In Your Gas Tank: US Will Rev Up Research «

earthtechling



TidewaterCurrent 10.20.12 - Groundbreaking took place Friday for the solar fuel research center "Joint Center for Artificial Photosynthesis (JCAP)" at the Berkeley Lab's campus near UC Berkeley. The goal of research at the new facility is "(T)o develop a manufacturable solar-fuels generator, made of earth abundant elements, that will use only sunlight, water, and carbon as inputs and robustly produce fuel from the sun ten times more efficiently that current crops." See more snips in Clean - Eco Transport.
October 20, 2012



Magical Gas Conjured from Thin Air

cleantecnica



TidewaterCurrent "The gas doesn't need any special additives and can go straight into today's cars without engine modifications. No batteries, no hydrogen fuel cells, nothing. Just pump it in like regular gas, from a regular pump. The company has already built a demonstrator unit at its \$1.7m development base which is churning out up to 10 litres of hydrocarbon a day. Its next aim is to raise the funding to take the project to the next level."

October 20, 2012



Ce-Liner Electric Passenger Jet Of Tomorrow A Cool Concept «

earthtechling



TidewaterCurrent 10.16.12 - Designers believe it could be transporting passengers by 2035.

October 17, 2012



"The City of Long Beach and Bike Nation unite to make Transportation, Travel More Environmentally Friendly" - ENN

enn



TidewaterCurrent 10.16.12 - "Plans call for the installation of the first of 250 stations and 2,500 technologically advanced 'Made in the USA' bikes in downtown Long Beach by February of 2013. With 40% of car trips within two miles from home and 90% of emissions in a seven-mile trip generated in the first mile while the engine warms up, Bike Nation is providing an more ecological-friendly alternative mode of transportation.....Usage fees range from a single 24-hour membership (\$6), to 3-day (\$12), weekly (\$25), monthly (\$35), yearly (\$75) and yearly student/senior rentals (\$50)."

October 22, 2012



Biofuel From Seaweed Saves Water, Land Area

designnews



TidewaterCurrent 10.18.12 - Sea6 Energy in India and BioArchitecture Labs in the US are both investigating processes to convert seaweed into fuel.

October 19, 2012



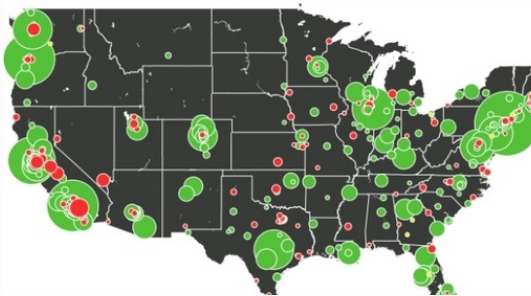
UK Researchers Create Oil Out of Thin Air and Water

medicaldaily



TidewaterCurrent Air Fuel Synthesis has manufactured very small amounts of petroleum from carbon dioxide in water and air. "The process extracts carbon dioxide and combines it in a reactor which, along with a catalyst, creates methanol. The methanol is then converted into petroleum. Their technology will not fill up your tank yet, but they believe that they are on their way there." Creating the energy uses electricity and there plan is to use renewable energy like wind or wave power.

October 20, 2012



New Data Shows Where Americans Bike to Work

governing



TidewaterCurrent 10.17.12 - "Nationwide, more than 777,000 people rode bicycles as their primary means of traveling to work last year, according to the Census Bureau's 2011 American Community Survey."

October 18, 2012



E-Moss Testing “completely climate-neutral” Wireless Charging Bus in Netherlands

cleantechnica



TidewaterCurrent 10.18.12 - "This bus is can be charged by plugging in overnight or via wireless charging."
October 18, 2012



Student organizations promote alternative fuel vehicles

collegiatetimes



TidewaterCurrent 10.17.12 - "The National Alternative Fuel Vehicle Day Odyssey, a nationwide sustainable energy outreach and education event, takes place at Virginia Tech for the first time today. Tech's Hybrid Electric Vehicle Team is teaming up with Ut Prosim PR, the Tech chapter of the Public Relations Student Society of America, to host the event from 10 a.m. to 5 p.m. in the Graduate Life Center Plaza. "
October 18, 2012



Ford C-MAX Energi Plug-in Hybrid Gets 100 MPGe Rating from EPA

treehugger



TidewaterCurrent

October 15, 2012



More Evidence on the Growth of the Bicycle Economy

sustainablecitiescollective



TidewaterCurrent 10.11.12 - "Investment in bike lanes and paths (as well as walking infrastructure) pays off. Link to study conducted by the League of American Bicyclists. October 14, 2012

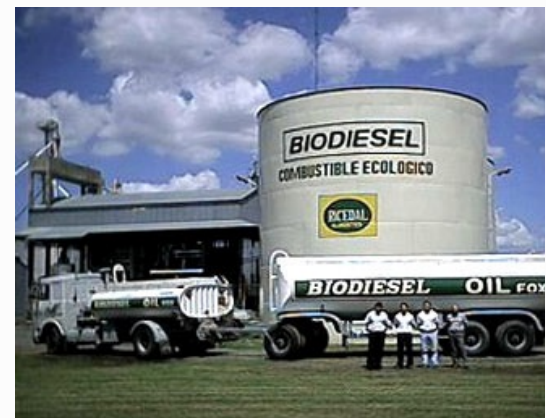


Converting Gas Cars to Electric

cleantechnica



TidewaterCurrent Great idea, but no mention of cost. October 12, 2012



Argentinean multinational firm considers biodiesel plant installation

fis



TidewaterCurrent 10.11.12 - Castor oil and algae plant planned in Columbia. October 12, 2012



Are traditional sail boats the future of trade? - CNN.com

cnn



TidewaterCurrent 10.12.12 - Nice article featuring the eco trading Tres Hombres brigantine. See more about sustainable/wind powered propulsion at <http://snip.it/snips/312255> and <http://snip.it/snips/235342> - More posts about sustainable shipping are in the the Clean - Eco Transport collection.
October 12, 2012



Algae Are a Growing Part of San Diego's Appeal

businessweek



TidewaterCurrent 10.11.12 - "Algal biofuels research generated \$80.9 million in economic activity in the region last year and employed 466, up from 215 in 2009, according to a study (pdf) from the San Diego Association of Governments. A \$4 million grant from the California Department of Labor has helped meet growing industry demand for skilled labor by training biofuel workers and job seekers through local universities, community colleges, and extension programs."
October 12, 2012



Audi's Carbon Neutral E-Gas

ecogeek



TidewaterCurrent 10.10.12 - The Audi A3 TCNG can run on regular gas or synthetic methane produced from non food organic waste using renewable energy. See more in clean - eco transport collection.
October 11, 2012



Amtrak breaks ridership record | SmartPlanet

smartplanet



TidewaterCurrent 10.10.12 - ridership and revenue are up.
October 10, 2012



RamBikes Stand Opens at VCU

www2.richmond



TidewaterCurrent 10.10.12 - VCU is the top ranked "Bike Friendly University" in Virginia and among the top 20 in the nation. The university opened a new student run bike stand to instruct cyclist on bike maintenance and promote safe cycling.
October 11, 2012



Running on sunshine: how to charge your electric car with solar panels

csmonitor



TidewaterCurrent 10.10.12 - "Since going solar and electric motive transport, our monthly electricity cost has average only \$13, as this is the basic connect fee that PG&E charges to be on the grid,"...AND with "time of use" metering for charging the cars at specific off-peak times, we have Zero energy costs for powering the cars," SEE MORE in Clean - Eco Transport
October 11, 2012



Meyer Werft Delivers Cruise Ship 'Celebrity Reflection'

marinelink



TidewaterCurrent 10.10.12 - I'm not sure you can ever consider a cruise ship sustainable, but with with numerous eco friendly features like solar panels and efficient lighting, this ship will have less impact on the environment.
October 11, 2012



Italians bought more bikes than cars last year | SmartPlanet

smartplanet



TidewaterCurrent
October 8, 2012



From relic to revolutionary: streetcars revitalize city transit | SmartPlanet

smartplanet



TidewaterCurrent 10.9.12 - "Government grants, such as TIGER funds awarded for streetcars in cities including Dallas, New Orleans and Tucson, are competitive. The city of Portland self-financed its initial streetcar line, priced at about \$25 million per mile, with the help of property owners and bonds backed by parking revenue from city garages, Gustafson said. In contrast, the streetcar's expansion, opening Sept. 22, received half of its funding from federal sources....Los Angeles continues to grapple with financing. Residents living within three pedestrian-friendly blocks of the proposed streetcar line will vote this fall on whether to approve a tax that would pay for about half of the construction costs. "

October 10, 2012

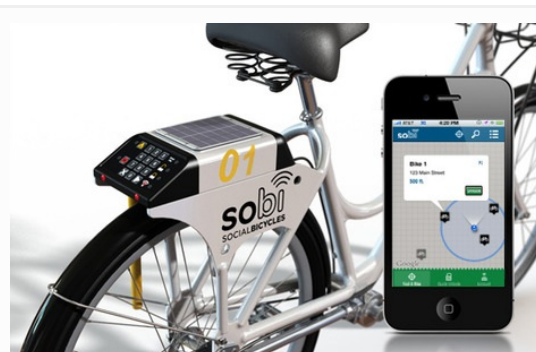


Cargill to Stop Using Least Efficient Ships

treehugger



TidewaterCurrent 10.5.12 - Lowest ranked ships on RightShip list will not be used to carry Cargill cargo. October 9, 2012



Next generation bikeshare system teams with AT&T | SmartPlanet

smartplanet



TidewaterCurrent 10.4.12 - "Social Bikes is the first public bike share system that relies completely on a mobile network to track, locate and unlock bikes" The company will launch in Buffalo, NY, Sun Valley Idaho and San Francisco, CA later this year. October 5, 2012



Fuel-cell powered rickshaw = longer days, less work - News and information about energy - FutureTech on NBCNews.com

nbcnews



TidewaterCurrent "The Hydrogenia is a fuel-cell powered rickshaw under development in Germany that extends the range and shortens the recharge time of e-pedicabs."

October 4, 2012



Caltrain Modernisation Project Receives \$40 Million

cleantechnica



TidewaterCurrent 10.8.12 - "This is a turning point in the history of Caltrain. From this point forward, change will accelerate so that by 2019 we will have an ultra-modern, electric, train system to serve our 21st century economy," said U.S Representative Jackie Speier (CA-12)."

October 9, 2012



Rolls-Royce to Power New Cruise Ferries

marinelink



TidewaterCurrent LNG based power and propulsion system.

October 3, 2012



Holy, Moly! Private-Sector Passenger Rail in Va.?

baconsrebellion



TidewaterCurrent "While the McDonnell administration seeks funding to extend Amtrak passenger service in Virginia, Hampton Roads planners are pushing European-style high-speed rail from Norfolk to Richmond and Washington -- financed largely by the private sector." October 7, 2012



Study: Chevy Volt Owners Spent Just \$300 To Drive 10,000 Miles - Gas 2

gas2



TidewaterCurrent 10.1.12 - Happiest car owners in America. October 3, 2012

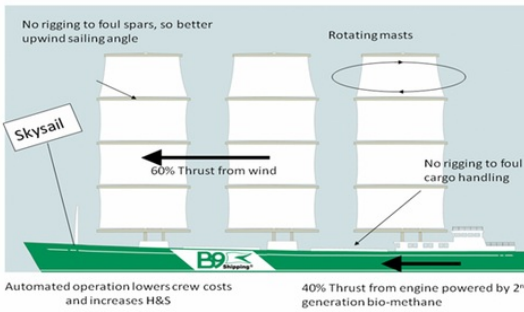


High Tech Ferry Reduces Fuel Consumption by 50% to 100%

shipandbunker



TidewaterCurrent October 3, 2012



Marine Propulsion – Is Wind back on the Horizon? - Tidewater Current | Fall 2012

tidewatercurrent



TidewaterCurrent 10.2.12 - 90% of global trade is transported on vessels burning high polluting fuels. Wind is a benign and readily available resource on the high seas that innovative ship designers are looking to harness in new projects.

October 3, 2012



America's Military Wants Bio Fuel - Gas 2

gas2



TidewaterCurrent The U.S. Navy developed nuclear powered ships like the Nimitz. At the time the technology was too expensive to make it commercial, a similar issue faced by currently available bio fuels. However by the military simply trying the technology it made the path, for better or worse, for the American nuclear industry. The American military-industrial complex thinks the same can be done with bio and other alternative fuels.

October 3, 2012



Riding Sunlight: Solar Power for Public Transportation | Get Solar.com

getsolar



TidewaterCurrent
September 30, 2012



The Water-Food-Energy Nexus: Algae Biomass Production Moves toward Commercial Scale in Western Australia

cleantecnica



TidewaterCurrent 10.3.12 - "Aurora's pilot algae biomass production system yields 38 times as much usable protein and 10 times as much oil while using less than 1% of the freshwater required per unit land area to produce the equivalent amount of soybeans" The company is moving forward with a commercial plant to produce food, fuel, fertilizer and biopharmaceuticals. For more info on algae fuel, visit the Clean - Eco Transport collection.
October 4, 2012



Hybrid Wind Power Plant Now Supplying Green Hydrogen to Fuel Cell Vehicles in Berlin - FuelCellToday

fuelcelltoday



TidewaterCurrent
September 29, 2012



Tesla Unveils Solar Powered Charging Stations - ENN: Environmental News Network

enn



TidewaterCurrent 10.1.12 - Tesla will install 100 supercharges powered by a solar carports in high traffic corridors across the country by 2015. Six were just installed in CA.
October 2, 2012



Hydrogen fuel cells coming to Canadian Coast Guard ships

hydrogenfuelnews



TidewaterCurrent 10.1.12 - 3 science vessels will be fully powered by fuel cell technology, yet to be determined. In addition to the environmental benefits, the plan could bring economic benefits as well with commercial opportunities. October 2, 2012



The Power of Seaweed

blogs.wsj



TidewaterCurrent 10.1.12 - In the lab, Sea6 Energy used normal yeast to turn high yielding red seaweed into ethanol. The company is working with Novozyme to develop efficient cost effective technology to produce biofuel. In addition, they have developed structures that would allow farmers to grow seaweed in deep offshore waters. October 2, 2012



San Diego Zoo Embraces Social Innovation By Installing Electric Vehicle Solar Charges

justmeans



TidewaterCurrent 9.28.12 - 10 solar canopies will produce 90 kW of energy and support 5 EV charging stations. "Using new battery social innovation technology, a 100-kW energy storage system will be charged by the solar canopies and used to offset power demands on the grid to charge the vehicles. When the battery charging is complete, the excess solar energy that is generated will be released into the electric grid to benefit the surrounding community." See more in the Clean - Eco Transport Collection. September 30, 2012



Cars of the Future

thefiscaltimes



TidewaterCurrent September 29, 2012



Analysis Tool Details Cost of Hydrogen Produced Via Wind Electrolysis

nrel.gov



TidewaterCurrent
September 29, 2012



California to account for 25% electric vehicle sales in US

hydrogenfuelnews



TidewaterCurrent 9.28.12 - Pike research report indicates strong state incentives available to consumers supports electric vehicle sales.
September 29, 2012



Hydrogen fuel cells becoming popular in shipping industry

hydrogenfuelnews



TidewaterCurrent FellowShip Project/demonstration of fuel cell technology in ships.
September 29, 2012



Naval Research Laboratory sets its sights on hydrogen fuel

hydrogenfuelnews



TidewaterCurrent 9.27.12 - New process to generate fuel from seawater requires a great deal of research.
September 29, 2012



Hyundai delivers 15 hydrogen-powered cars to Denmark

torquenews



TidewaterCurrent 9.26.12 -

Copenhagen city fleet to evaluate the new vehicle. The Hyundai ix35 is a zero-emissions vehicle. Fueling takes only a few minutes and the fuel cell stack converts hydrogen into electricity to power the cars motor with water the only byproduct. The vehicle reaches close to 100-mph with conventional range.

September 29, 2012



What are the 10 Best Value Hybrid Cars and Trucks? Find out here!

gas2



TidewaterCurrent

September 24, 2012



9 Best High-Speed Rail Rides in the World -

revmodo



TidewaterCurrent

September 27, 2012



California's High Speed Rail Gets Federal Approval for First Segment of 800-Mile System

cleantechnica



TidewaterCurrent 9.24.12 - Unless they include tolls, roads and bridges are not profit centers. As with rail, infrastructure allows access and economic growth.

September 24, 2012



Garmin App Update Adds Public Transit Guides

pcmag



TidewaterCurrent 9.20.12 - New App for foot and public transport is available.

September 24, 2012



Whisky distillery tries a wee dram of biofuel

reuters



TidewaterCurrent Disposing of products from the whiskey distillation process cost Tullibardine Distillery some \$250,000 a year. Working with Celtic Renewables, these byproducts will be used to produce biobutanol.

September 26, 2012



Amazon Offers \$5.5M to Improve Public Transit Near New Seattle Campus

revmodo



TidewaterCurrent 9.22.12 - Amazon is aiming to have 75% of employees travel to work via public transit or bicycle and is willing to contribute to developing the necessary infrastructure.

September 24, 2012



EERE: Alternative Fuels Data Center Home Page

afdc.energy.gov



TidewaterCurrent
September 24, 2012

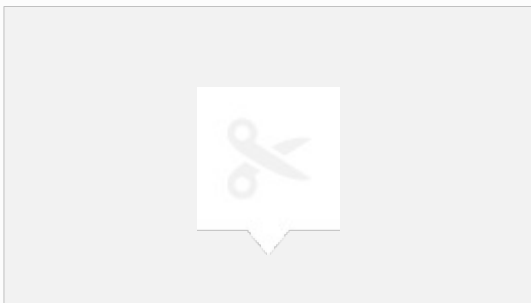


Alt. Fuel Odyssey Day 2012 - Harrisonburg, Chesapeake, VA

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



TidewaterCurrent
<http://virginiaroadshow.eventbrite.com/>
September 24, 2012



Alternative Fueling Station Locator

afdc.energy.gov



TidewaterCurrent
September 24, 2012



BIMCO Touts Wind Power for Ship's Electric Needs

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



TidewaterCurrent "The ship of the future may derive electrical power from a whole range of sources, some traditional like diesel or shaft generators and some sustainable, with both wind and solar each providing their contribution,"
September 19, 2012



Lufthansa, Algae Tec to Build Algae-based Biofuels Plant · Environmental Management & Energy News · Environmental Leader

environmentalleader



TidewaterCurrent 9.19.12 - The biofuel facility will be sited near an industrial source that will provide a feedstock of carbon dioxide to fuel algae growth. And, in flight trials with algae derived fuel, carbon dioxide emissions were reduced 50%, September 19, 2012



Transportation fuel derived from sunlight, waste CO2 working with Audi

ecoseed



TidewaterCurrent 9.20.12 - "According to Joule's press release, unlike the costly, multi-step production of biofuels from agricultural feedstocks, Joule's Helioculture platform directly and continuously converts sunlight and waste CO2 into fuels, including ethanol and hydrocarbons that serve as the essential chemical building blocks for diesel." September 20, 2012



Nissan TeRRASUV Concept A Fuel Cell Tomorrowland Ride «

earthtechling



TidewaterCurrent September 14, 2012



NRDC Poll: Americans Want More Public Transport

revmodo



TidewaterCurrent "Fifty-five percent of Americans want to drive less, but 74 percent say they have no other choice to get from point A to point B." September 13, 2012



Oil from algae closer to reality through studies by unique collaboration of scientists | AgriLife Today

today.agrilife



TidewaterCurrent 9.14.12 - College Station researchers believe fuel grade oil from algae is possible within 4 years. h
September 14, 2012



USU students build race car, set land speed record using biofuel

standard



TidewaterCurrent 9.14.12 - The biofuel was developed using a process using yeast to convert dairy waste created during the cheese making process. The students are also looking at algae biofuel.
September 14, 2012



Amtrak Ridership Setting Records

wina



TidewaterCurrent "Amtrak ridership is surging this year with 11 consecutive monthly ridership records. In each month of the current fiscal year, Amtrak has posted the highest ridership total ever for that particular month with the final month of September also expected to be a new record. In addition, July was the single best ridership month in the history of Amtrak."
September 18, 2012



Gaza's First Electric Vehicle Built from Recycled Materials For \$1,000

inhabitat



TidewaterCurrent 9.11.12 -
September 11, 2012



US military attacked for its clean-tech push (but sticks to its guns, anyway)

csmonitor



TidewaterCurrent The high cost of alternative fuel used during the green fleet deployment this summer has got a lot of negative attention from outspoken officials, including John McCain. But as the author points out here, the military's move to use renewables is a defense strategy not an environmental strategy.
September 19, 2012



Mexico City Bike-Sharing Program Is Quadrupling in Size this Month

cleantechnica



TidewaterCurrent 9.10.12 - Mexico city will be home to the 7th largest bike share program in the world.
September 11, 2012



Gov McDonnell Announces Amtrak to Norfolk to Start 12/12/12 | AltDaily : Creating and celebrating local culture in Norfolk and all of Hampton Roads.

altdaily



TidewaterCurrent
September 13, 2012



Electric Airplane Maker Unveils Solar-Charging Trailer | Autopia | Wired.com

wired



TidewaterCurrent 9.12.12 - PC Aero of Germany unveils solar powered airplane with it's solar charging trailer at the Berlin Air Show. The company claims the plane has a range of 600 miles at a cruise speed of 90 mph.
September 12, 2012



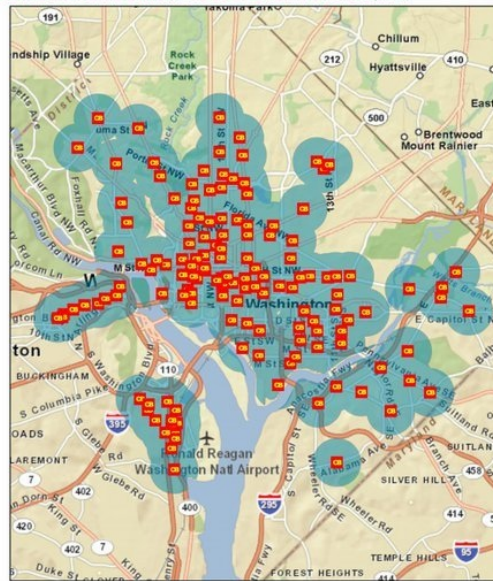
Bicycling Renaissance Underway in U.S.

cleantechnica



TidewaterCurrent 9.13.12 - "Mayor Rahm Emanuel plans to make Chicago "the bike friendliest city in the country". There is also the Boston bike-share program, DC biking programs, NYC's huge bike-sharing program and growth in bicycling, and the East Coast Greenway running the eastern seaboard north to south." September 13, 2012

CAPITAL BIKESHARE (WASHINGTON DC/ ARLINGTON, VA)



Capital Bikeshare Service Area

Capital Bikeshare Stations
Service Area



Check Out This Great Bike-Sharing 'How To' Guide for U.S. Cities!

treehugger



TidewaterCurrent 9.11.12 - Federal Highway Administration developed the Bike Sharing How to Guide. September 13, 2012



Solar Power Allows Luxury Yachts To Cruise In Silence | Autopia | Wired.com

wired



TidewaterCurrent September 9, 2012



Biofuels Get Nod From U.S. General James F. Amos

shipandbunker



TidewaterCurrent 9.6.12 - September 9, 2012



Increased interest in cycling could boost local bike industry

www2.timesdispatch



TidewaterCurrent 9.9.12 - Richmond, VA- Biking boom attributed to municipal trails that encourage commuting.
September 10, 2012



N.C. officials envision Outer Banks as cycling mecca

hamptonroads



TidewaterCurrent 9.9.12 - "Currituck, Dare and Outer Banks towns have spent \$6.7 million on bike paths. A regional planning organization wants to work with local government and the state to build more bike lanes on the Outer Banks and in inland towns like Elizabeth City and Edenton."
September 10, 2012



Innovative Amtrak 'Bullet' Train Proposal Calls For 18-Mile Tunnel Under Long Island Sound

businessinsider



TidewaterCurrent 9.4.12 - University School of Design line would require 800 miles of new track and 87 miles of tunnels to straighten the route which will improve high speed transit.
September 10, 2012



Transit Creates 31-84% More Jobs than Building Highways (Per \$1 Spent)

cleantechnica



TidewaterCurrent 9.11.12 - Transit-oriented development creates jobs, cleaner air and benefits the economy and national security (as less foreign oil is imported).
September 11, 2012



Smooth Operation with Fuel Cells

maritime-executive



TidewaterCurrent 9.5.12 - 7000 hours of operation using hydrogen fuel cells suggests the technology is successful. If hydrogen from renewable resources becomes available the propulsion system would then be carbon neutral.
September 6, 2012



@TATACompanies' Tata Motors completes first phase of plan to start commercial production of Compressed Air #Engine run #Cars

tata



TidewaterCurrent
September 5, 2012



The Netherlands: Shell Charters Two LNG Barges

Ingworldnews



TidewaterCurrent 9.5.12 - 100% LNG barges will carry enough LNG onboard to make a 7 day roundtrip along the Rhine River and will help the company meet strict EU emission standards.

September 6, 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.

September 7, 2012



People-Powered Buses Help DNC Delegates Travel In Style «

earthtechling



TidewaterCurrent 9.4.12 - Freewheelin offers human powered transport in Charlotte for the DNC. They also offered their 20 eight seaters pedal carts at the RNC in Tampa saving some 600 tons in carbon emissions.

September 5, 2012



Svajerløb 2012 — Danish Cargo Bike Championships

cleantechnica



TidewaterCurrent Includes a link to more photos.

September 4, 2012



Innovative Biofuel Company Coming To Charlotte's ReVenture Park™

reventurepark



TidewaterCurrent 9.5.12 - Charlotte, NC - Eco park on a former superfund site, is now home to ReNew World Energies an algae production company that will begin producing biofuel and food supplements (for livestock and fish feed) by the end of the month,. See more on biofuels in the CleanTech - Eco Transport collection.

September 6, 2012

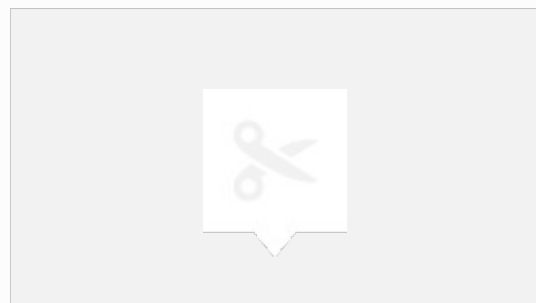


Resurgence of Airships Taking Flight -

revmodo



TidewaterCurrent 9..4.12 - Airships will likely deliver cargo to remote locations and potentially function like cruise ships for inland eco tours. September 4, 2012



Va. high-speed rail project assessments released

articles.dailypress



TidewaterCurrent Final environmental impact statements for routes connecting the Hampton Roads area to Richmond via Petersburg and the Southeast High Speed Rail Corridor have been completed.

September 2, 2012



No Doubt About It, New Study Shows High Speed Rail Reduces Emissions

inhabitat



TidewaterCurrent High speed trains consume less fuel and reduce emissions compared to car and air travel.

September 2, 2012



Electric Car Chargers Coming to Capitol Hill

cleantechnica



TidewaterCurrent

August 30, 2012



South Korean Researchers Create Clean Biodiesel from Sewage Sludge

inhabitat



TidewaterCurrent 9.3.12 - With a high lipid content, the biodiesel from sewage sludge could be produced for pennies per gallon. According to a researcher from Mississippi State, the research is promising.

September 4, 2012



Solar Car Ports: The new rising stars

solarnovus



TidewaterCurrent 8.27.12 - Great review of the technology and projects.

August 28, 2012



Electric-assist Urban Arrow cargo bike wants to be your second car

gizmag



TidewaterCurrent 8.24.12 - Urban Arrow retails for \$3691. Video included.
August 29, 2012



Sailing Into a Sustainable Future

tidewatercurrent



TidewaterCurrent Several posts on how renewable technologies are being integrated into the shipping/watercraft industry. Biofuels, kites, wind are among the technologies highlighted as well as port, shipping and eco industry initiatives.
August 28, 2012

LIMITED TIME OFFER: RECEIVE A HOME CHARGING STATION WITH PURCHASE
2012 NISSAN LEAF®
ONLY \$289 PER MONTH
FULLY ELECTRIC, NO GAS COSTS!!
PERFECT FOR LOCAL DAILY COMMUTERS, NEW DRIVERS, OR ANYONE WHO WANTS TO SAVE MONEY WHILE HELPING TO SAVE THE PLANET!!
ELECTRIC VEHICLES ARE SUPPORTED BY: Virginia Clean Cities

Hall Automotive Nissan Leaf Incentive |

vacleancities



TidewaterCurrent From now until September 3rd, when you purchase a Nissan Leaf, you will receive a FREE Level 2 charging station. For more details, please visit Hall Automotive Nissan Leaf Incentive.
August 29, 2012



First Hydrogen-Powered Locomotive Prototype

cleantechnica



TidewaterCurrent University of Birmingham engineering students and staff built the engine. "The "narrow gauge locomotive" combines a hydrogen fuel cell and lead acid batteries similar to those used in cars, as well as regenerative breaking."
August 28, 2012



Cargo Ship Designers Turn to Wind to Cut Cost and Emissions

nytimes



TidewaterCurrent 8.27.12 - Wind power is returning to the high seas. From kites to new sail systems, wind is beginning to propel vessels once again. The pictured conceptual cargo carrier is underdevelopment by B9 Energy. More info on sustainable shipping in the Cleantech - Eco Transport collection.
August 29, 2012



New bike trails proposed along West Virginia national river

examiner



TidewaterCurrent 8.25.12 - Parkersburg High school and middle school brothers work on restoring and building hiking and biking trails along the New River Gorge. The Outdoor Channel made a documentary about their efforts.
August 26, 2012



Sapphire Energy harvests 81 tons of algae biomass in New Mexico

ecoseed



TidewaterCurrent 8.28.12 - "By 2018, Sapphire aims to produce 10,000 barrels a day of algae biofuel or around 1 million gallons per year at the farm."
August 28, 2012



Introducing bike tolls and the Rahm-PASS

articles.chicagotribune



TidewaterCurrent 8.22.12 - Bike lanes reduce traffic and pollution. Their cost should not be passed on to the cyclists, but calculated in the benefits to society.
August 26, 2012



Jetson E-Bike Brings Vespa Style to Electric Bikes

inhabitat



TidewaterCurrent 8.27.12 - Electric bike with speed of 20 mph and 40 mile range for \$1,799 recharges in 4 hours with standard 100V outlet.
August 27, 2012



NYC Sustainable Streets Index Shows Safety, Economic Benefits of Pedestrian-Friendly Projects

blog.tstc



TidewaterCurrent 8.21.12 -
August 27, 2012



Believe it! New sports car goes 200 mph, gets 70 mpg | SmartPlanet

smartplanet



TidewaterCurrent 8.27.12 - "Rival your neighbor's Porsche but it'll can also outgreen your treehugging hippie friend's hybrid." The vehicle can run on a variety of biodiesels, but starts at \$119,000.
August 28, 2012



Solar Boat Maker Opens in New York

cleantechnica



TidewaterCurrent 8.22.- Tamarack Lake Electric Boat Company in Rome.
August 22, 2012

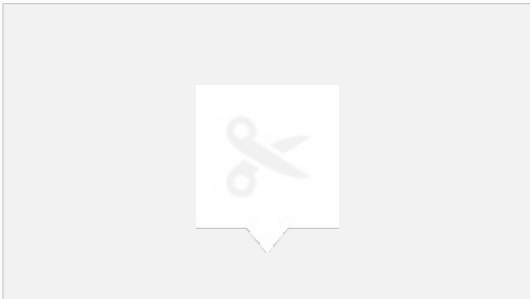


Cleaner Fuel for the Big Ships of the Seas

cleantechnica



TidewaterCurrent 8.22.12 - Fuel additive developed at Maine Maritime Academy (not much info available) is said to reduce emissions and fuel costs.
August 22, 2012

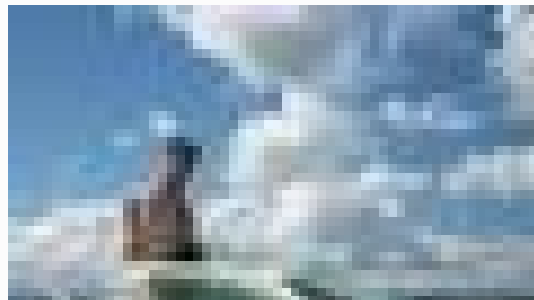


UNITED AIRLINES JOINS SUSTAINABLE AVIATION FUEL USERS GROUP - The Sacramento Bee

sacbee



TidewaterCurrent 8.20.12
August 20, 2012



Plastic-powered plane to fly from Sydney to London

businessgreen



TidewaterCurrent 8.22.12 - Not scheduled to make the trip until later this year. Flying Doctors pilot plans to make the 10,000 mile trip using clean burning diesel fuel derived from plastic bottles and developed by Cynar Plc of Ireland..
August 22, 2012



Most New Yorkers Say Bike Lanes Are a Good Idea

nytimes



TidewaterCurrent "New Yorkers who said they thought bike lanes were a good idea cited environmental, health and safety benefits, as well as the addition of more space for bicyclists to ride. Some respondents said they were simply happy that the lanes had encouraged bicyclists to stop riding on the sidewalk."

August 22, 2012



New fuel-efficiency standards coming any day now — and not a day too soon

grist



TidewaterCurrent 8.21.21- "If, as expected, the new rules reflect draft standards published last year, they foresee a near-doubling of US-made cars' average fuel efficiency by 2025 from 27.5 miles per US gallon at present to 54.5mpg, under test conditions."

August 22, 2012



Ford C-MAX Hybrid rated at 47 mpg

mnn



TidewaterCurrent 8.14.12- 47 mpg in the city and on the highway.

August 17, 2012



Ridejoy to Launch Ride-Sharing App

cleantechnica



TidewaterCurrent
August 17, 2012



Wireless Car Charging In Action

treehugger



TidewaterCurrent 8.17.12 - Inductive wireless charging is touted to be just as efficient as regular plug in efficiency. Nissan Leaf 2.0 drivers look to be the first to enjoy this option. August 18, 2012



Impress all your air-breathing friends with a car that runs on air

grist



TidewaterCurrent 8.17.12 - Tata's Air Pod costs \$1.50 to full up with compressed air and can go 125 miles at a top speed of 43 mph. It's in the second phase of testing and is expected to cost about \$10,000. No word on this but a wind powered compression pump would be the way to go. August 17, 2012



Boeing to Refine Waste Cooking Oil into Biofuel in China

waste-management-world



TidewaterCurrent 8.17.12 - China has a fast growing aviation industry and currently uses more cooking oil than jet fuel, so recycling the oil makes great sense both economically and environmentally. See more clips in Eco Transport. August 17, 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



E.U. policy helps air quality in harbors

ecoseed



TidewaterCurrent 8.17.12 - Measurements of air pollutants before and after the adoption of the policy by scientists from the Universities of Genoa and Florence show that where the fuel sulfur content policy was enforced, sulfur content in the air decreased 66 percent. See more in Eco Transport collection.
August 17, 2012



In America's northeast, commuters opt for rail over air | SmartPlanet

smartplanet



TidewaterCurrent 8.16.12 -
August 16, 2012



Scotland Plans Zero-Emissions Bus Fleet -

revmodo



TidewaterCurrent 8.15.12 - Aberdeen, Europe's offshore wind energy capital, plans to use wind to power hydrogen fuel cells that will run city buses. See more transportation related snips in Eco Transport collection.
August 16, 2012



GM's electric Spark: It's all about the batteries

mnn



TidewaterCurrent 8.15.12 - "General Motors is preparing to unveil its first all-electric car since the EV1. And speculation is growing about the breakthrough battery company that GM has invested in. Are 300-mile, \$20,000 EVs in our near future?"
August 17, 2012



Airbus Could Reduce Plane Fuel Consumption 15% with Hydrogen Fuel Cell

treehugger



TidewaterCurrent 8.6.12 - "Combine this with other aviation advances, like MIT's plane designs that could use 70% less fuel than current designs, and advanced aviation biofuels made from carbon-neutral sources, and we're clearly moving in the direction of much more environmentally-friendly air travel."
August 15, 2012



EPA to Approve Sorghum As New Source of Biofuel -

revmodo



TidewaterCurrent 8.16.12 - Western Plains Energy looks to be the first producing sorghum biofuel (which is not a food crop). They are investing \$30-\$40 million and expect to produce 50 million gallons of ethanol a year. If so, the pay back for the project is 2-3 years.
August 16, 2012



Navy partners with local company in quest for new energy sources

vcstar



TidewaterCurrent 8.13.12 - Algae for biodiesel is produced on Naval Base in Port Hueneme.
August 14, 2012



Norfolk making strides to make city bike-friendly | wavy.com

wavy



TidewaterCurrent 8.7.12 - Several bikeways are to be completed by the end of the year.

August 13, 2012



Can thousands of electric tricycles clean up a country? | SmartPlanet

smartplanet



TidewaterCurrent 8.13.12 - "The success of the Metro Manila pilot program is a promising start to the project. Drivers have found that e-trike batteries can be charged for \$1, as opposed to \$6-\$8 to fill a gas tank. While the vehicles cost more up front than traditional tricycles, they cost less to operate and have lower maintenance costs."

August 13, 2012



100 MPH Passenger Train to Link Miami and Orlando—With No Government Funds

treehugger



TidewaterCurrent 8.13.12 - Florida East Coast Industries rail project will create 6000 construction jobs and 1000 permanent jobs and will likely remove 3 million cars from the road every year easing congestion and air pollution. Anticipating a profit, the project is entirely privately funded.

August 15, 2012



GE unveils charge point for wind-powered cars

businessgreen



TidewaterCurrent 8.14.12 - Urban Green Energy and GE have teamed up and are planning to deploy wind powered electric vehicle charging stations in the US and Australia later this year. See more snips in the Eco Transport collection.
August 14, 2012



GM increases solar energy commitment with new investment

examiner



TidewaterCurrent 8.12.12 - The largest solar rooftop installation in the world is on a GM plant in Spain and the company has a number of other projects in place in the US and several planned, including one on a Baltimore, MD facility. They recently partnered with Sunlogics to expand solar energy production at their facilities with the intent to build solar canopy electric car charging stations.
August 14, 2012



MIT's Folding Hiriko City Car Set to Hit the Market Next Year for \$16,000

inhabitat



TidewaterCurrent
August 8, 2012



Washington to New York City in 60 minutes by train

washingtonpost



TidewaterCurrent Northeast Maglev looks to add Boston to line later.
August 13, 2012



Toyota To Mass Produce Fuel Cell Cars By 2015 -

revmodo



TidewaterCurrent 8.8.12 - The vehicles would have driving ranges similar to gas powered cars. Toyota plans to have some 68 fueling stations in California by 2015.
August 9, 2012



Navy's new ship sails the seas on half the gas

news.cnet



TidewaterCurrent In addition to gas turbines, the USS Makin Island was outfitted with an electric drive which saved some \$15 million in fuel costs during its first deployment. The ship also boasts a reverse osmosis system to convert seawater into potable water without the use of chemicals.

August 7, 2012

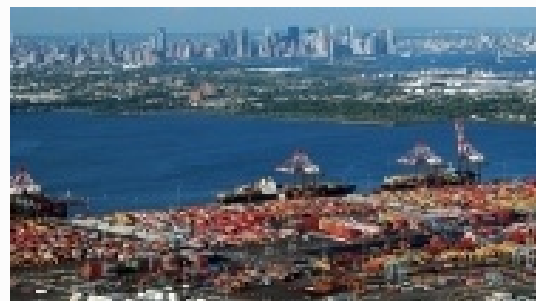


Portland gets nation's first digital 'bike barometer' | SmartPlanet

smartplanet



TidewaterCurrent 8.10.12 - Include link to bike counter website.
August 11, 2012



Port of New York and New Jersey to reward 'greener' vessels

porttechnology



TidewaterCurrent 8.2.12 - As reported in LA, Clean Air Strategies work and improve air quality. More on sustainable shipping in Eco Transport collection.

August 5, 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



Port of Los Angeles seeing benefits of pollution-reduction strategies

porttechnology



TidewaterCurrent 8.3.12 - "Harmful emissions down 76 percent since introduction of Clean Air Action Plan in 2005"

August 5, 2012



Plug-in Kit Turns Cars into Hybrids -

revmodo



TidewaterCurrent 8.3.12 - Middle Tennessee State team designs retrofit system. \$3,000 product if developed.

August 3, 2012



PortWorld News - Port of LA converts to wind and solar power

portworld



TidewaterCurrent 8.7.12 - Marine Traffic Control station is now powered by solar panels and 4 wind turbines. The new facility is being unveiled today. Check the Eco Transport collection for more news.

August 7, 2012



Converting Household Trash Into Ethanol

huffingtonpost



TidewaterCurrent 8.6.12 - Free and plentiful, waste that would otherwise go to landfills will be transformed into ethanol at a Nevada Plant. Fulcrum Bio Energy has received a bank loan for the project along with a federal guarantee for the loan.

August 7, 2012



First Dual-Power Electric/Diesel Locomotive Completes Run -

revmodo



TidewaterCurrent 7.31.12 - NJ

Transit trials first of its kind locomotive.

July 31, 2012



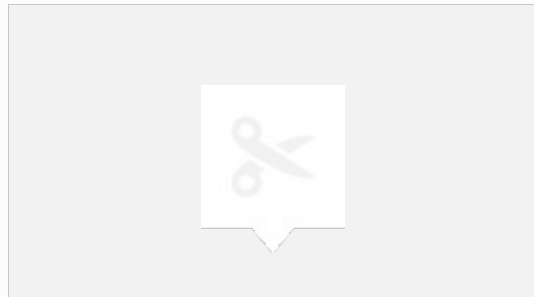
Shoalhaven One Launch Tomorrow: Algae.Tec Invests \$4m in Region

algaetec.com.au



TidewaterCurrent 8.1.12 - Non GMO algae biodiesel plant opens in New South Wales, Australia. Designers recycled 5 shipping containers to grow and harvest algae in. CO2 produced at an adjacent ethanol plant will be pumped into the algae tanks to fuel growth. Video links included. More on biofuels in Eco Transport Snip it collection.

August 5, 2012



Ecotality to offer free car charging in three U.S. cities

ecoseed



TidewaterCurrent 8.3.12 - Atlanta, Philadelphia and Chicago.

August 3, 2012



Alvarez Electric Motors Unveils A Line of Inexpensive EVs in California

inhabitat



TidewaterCurrent 8.2.12 - Two Seater Eco Car retailing for \$9,995.00 reaches 25 mph.
August 2, 2012



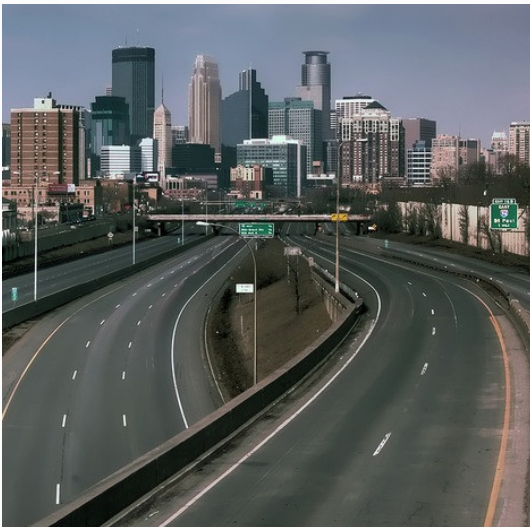
Virginia Tech Students Build Winner Of An Electric Motorcycle

«

earthtechling



TidewaterCurrent 8.2.12 - The VT Bolt which can reach speeds of 98 mph was the fastest finisher in it's class in a recent race of the TTXGP eGrandPrix. The Team's success will allow them to participate in a world champion race at Daytona in the fall.
August 2, 2012



Could this app end traffic jams? | SmartPlanet

smartplanet



TidewaterCurrent 7.30.12 - App to find the most fuel efficient route in traffic.
July 31, 2012



The \$9 Cardboard Bike From Israel (PHOTOS)

greenprophet



TidewaterCurrent
July 27, 2012

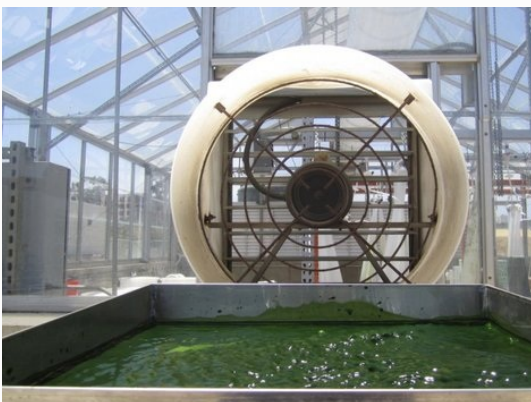


Triple Win for Biofuels on Capitol Hill; \$100M for Military Biofuels; Tax Extenders Package; Algae wins tax credit parity

biofuelsdigest



TidewaterCurrent 8.3.12 - Committee level action still requires full Senate Vote and conference with the House of Representatives.
August 3, 2012



This Little Green Plant Could Be The Biofuel Of The Future

businessinsider



TidewaterCurrent 7.27.12 - Great Photo Essay on biofuel production from algae program at University of California San Diego.
July 28, 2012



Ford Has Big Plans To Remake Its Best-Selling F-150 Truck In Aluminum

businessinsider



TidewaterCurrent 7.26.12 - The switch will reduce its weight by 700 pounds and increase fuel efficiency by 25%.
July 28, 2012



Sailing Into a Sustainable Future

tidewatercurrent



TidewaterCurrent Several posts on how renewable technologies are being integrated into the shipping/watercraft industry. Biofuels, kites, wind are among the technologies highlighted as well as port, shipping and eco industry initiatives.
July 30, 2012



Wheat Straw to Ethanol Conversion Plant Opens in Germany

ens-newswire



TidewaterCurrent 7.26.12- The first commercial-scale cellulosic plants in the United States are expected to come on line in 2013 or 2014. More are planned in Europe, Canada, China and Brazil. See more snips on biofuels in the Eco Transport collection.

July 30, 2012



Following the Sun – Solar Touring Continues this summer as Ra begins it's 131 day Solar Odyssey along the Great Loop

tidewatercurrent



TidewaterCurrent 7.14.12 - Tour to begin in Clearwater on July 22. Links to website included with schedule of stops.

July 30, 2012



World cup for solar powered boats

photoblog.msnbc.msn



TidewaterCurrent
July 24, 2012



Interview with Izhar Gafni, Inventor of the Greenest Cardboard Bike

greenprophet



TidewaterCurrent 7.26.12 - \$9 cardboard bike.
July 27, 2012

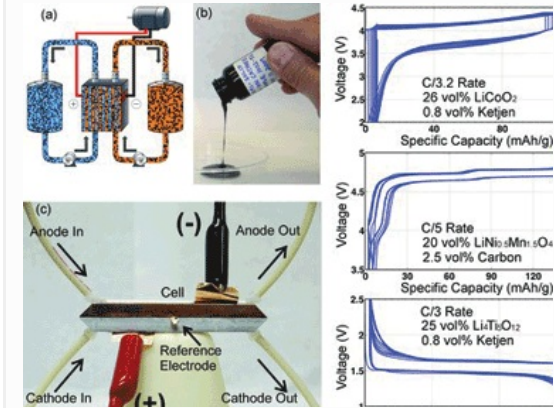


Florida State Offers Recycled Bikes for a Bargain - Earth911.com

earth911



TidewaterCurrent 7.23.12 - Rent a bike for \$25 for the semester or \$40 for the year.
July 26, 2012



EV battery refuels like gasoline - Electronic Products

www2.electronicproducts



TidewaterCurrent MIT Semi-solid "flow" batteries, "could provide a lightweight and inexpensive alternative to existing batteries for electric vehicles"
July 26, 2012



Evergreen Christens First Fuel-Efficient L-type Containership

shipandbunker



TidewaterCurrent 7.26.12 - Optimized hull and electronic fuel injection engine enables energy efficient propulsion.
July 27, 2012



Solar Impulse Airplane Returns Home After World's First Solar-Powered Intercontinental Flight

inhabitat



TidewaterCurrent 7.25.12 - Flying from Switzerland to Morocco and back, organizers are planning round the world flight in 2014.
July 25, 2012



2013 Ford C-MAX Energi is the Most Affordable Plug-in Hybrid Available in America

inhabitat



TidewaterCurrent 7.24.12 \$29,995 after tax credit.
July 24, 2012



Rolls-Royce to Power New Cruise Ferries

marinelink



TidewaterCurrent 7.24.12 - LNG based power and propulsion systems will be included in two new ships being built in Norway.
July 24, 2012



Cuba tests biofuel vehicle

latino.foxnews



TidewaterCurrent 7.22.12 - Better efficiency achieved with biofuel blend attributed to lubricating effects of the jatropa oil.
July 23, 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



Cuba tests biofuel vehicle successfully

newstrackindia



TidewaterCurrent 7.23.12 - The inedible Jatropha plant was used in a blend to fuel a Toyota Hilux. The 1500 test run indicated the fuel burned more efficiently than non blended fuel. The recently opened jatropha fuel plant can produce 100 tonnes of fuel a year. More info in the Eco Transport collection.
July 23, 2012



Study determines theoretical energy benefits and potential of algae fuels

phys



TidewaterCurrent 7.20.12 - UT Austin has the largest and most diverse collection of algae specimens and researchers conclude that it is theoretically possible to produce about 500 times as much energy from algae fuel as it takes to produce it. But, and it's big, the technology isn't anywhere near there yet.
July 21, 2012



Electric airplane breaks 200 mph barrier, sets record | SmartPlanet

smartplanet



TidewaterCurrent 7.20.12 - Chip Yates broke the record this week in California's Mojave Desert.
July 20, 2012



Brazil to build first algae-based biofuel plant

mnn



TidewaterCurrent 7.20.12 - The factory will be sited on a sugar plantation that is producing ethanol. CO2 emitted in ethanol production will be fed into the facility to stimulate algae growth.
July 20, 2012



Worldwide Cycle Superhighways: Copenhagen, London, New York

sustainablecitiescollective



TidewaterCurrent

July 19, 2012



Sailing Into a Sustainable Future

tidewatercurrent



TidewaterCurrent Several posts on how renewable technologies are being integrated into the shipping/watercraft industry. Biofuels, kites, wind are among the technologies highlighted as well as port, shipping and eco industry initiatives.

July 19, 2012



China: JHI to Build Three MARLIN 2000 Blue Container Feeders for Graig

worldmaritimeneews



TidewaterCurrent 7.20.12 - 3 vessels designed by Wartsila Ship Design with 30% improved fuel efficiency have been commissioned.

July 20, 2012



COPENHAGEN JOURNAL - Commuters Pedal to Work on Their Very Own Superhighway

nytimes



TidewaterCurrent

July 19, 2012



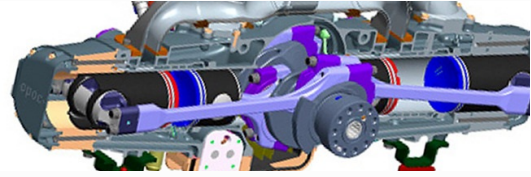
Pentagon biofuels effort aids energy independence - Sen. Jeanne Shaheen and Sen. Susan Collins

politico



TidewaterCurrent Two Senators from the Armed services committee, one democrat and one republican, wrote this piece in support of DOD biofuel development. The DOD is the single largest consumer of fuel in the world, and with national security their priority, it would seem like a worthwhile endeavor to wean our forces off of foreign oil. Of course, there are economic benefits too, as US companies produce domestic resources from algae, switchgrass and ag. wastes..

July 20, 2012



EcoMotors fires up efficient engine plans with \$32.5m funding injection

businessgreen



TidewaterCurrent 7.17.12 - EcoMotors has developed a new type of engine that is 50% more fuel efficient and produces 50% less emissions than a traditional engine. Bill Gates and Khosla Ventures are investors.

July 18, 2012



Elon Musk's 'Hyperloop' Train Could Travel From Los Angeles to San Francisco in 30 Minutes Flat

inhabitat



TidewaterCurrent 7.18.12 - Not much info provided, except that the train expected to be solar powered.

July 19, 2012



Today's Eco Friendly Ships and Their Energy Efficiencies | ecogreen4us

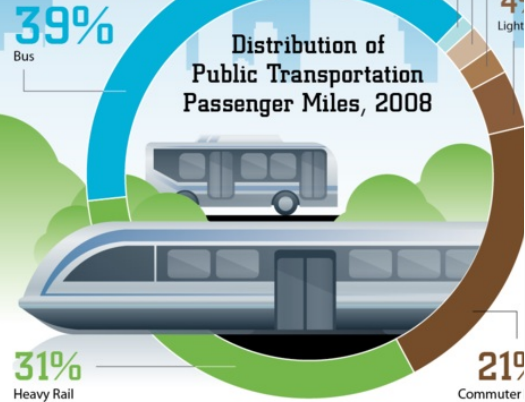
ow.ly



TidewaterCurrent Today's Eco Friendly Ships and Their Energy Efficiencies | ecogreen4us
July 19, 2012

Make Life Simple and Green with Public Transportation

When you ride the rails, bus, or carpool, the benefits are far-reaching. They impact everything from your wallet to the global environment. Additionally, in areas where people rely heavily on public transit systems, there is a noticeable reduction in traffic congestion and stress. Plus, people riding the rails get more errands out of the way while en route. Who would have thought public transportation could help make life simple?



Hidden Savings of Public Transportation

1.4 to 9
less auto miles traveled for every mile traveled by

340
million gallons of fuel saved due to less congestion because of public transportation

Great infographic on benefits of public transportation

switchboard.nrdc



TidewaterCurrent
July 18, 2012

Business Updates

Breaking news in local business

Electric ship project taps AMSC

boston



TidewaterCurrent High Temp Superconducting wire will be used to develop electric ships.
July 18, 2012



Dwellings designed for two-wheeled transport: a new trend? | SmartPlanet

smartplanet



TidewaterCurrent 7.18.12 - Bike parking garage becoming increasing popular in urban areas
July 18, 2012



Maersk Ships Save US\$ 90-million on Energy Using KPI

marinelink



TidewaterCurrent Monitoring Key Performance Indicators saves fuel and money.
July 18, 2012



Rotterdam Port installs country's first shore-based power connection for ocean shipping

porttechnology



TidewaterCurrent With shore based power, ferries will not have to run engines, emitting pollutants, to generate power.
July 18, 2012

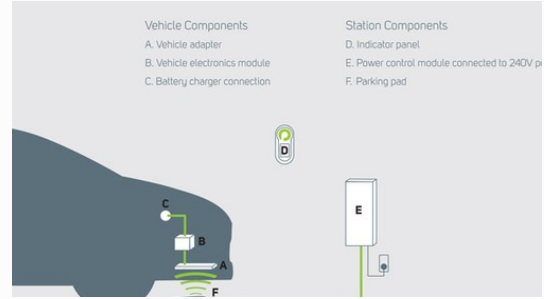


Japanese Students Unveil Electric Roadway that Wirelessly Charges Electric Vehicles

inhabitat



TidewaterCurrent 7.10.12 - Fascinating idea: Recharge your car as you drive. Who pays for it? Is it toll road? How expensive are they to build and maintain?
July 18, 2012



Electric vehicle chargers go wireless

ecoseed



TidewaterCurrent 7.18.12 - The Commonwealth of Virginia, Google and the Apollo Launch Program are supporting a program to test wireless electric vehicle charges. Nissan Leafs will be equipped with technology to accept wireless charging. Evatran the developer of the system is accepting partners with Nissan Leafs or Chevy Volts in their fleet for its second phase of testing.
July 18, 2012



Push in Congress to ban biofuels in military has big long-term costs

csmonitor



TidewaterCurrent 7.16.12 - Great editorial by a retired US Air Force Commander supporting the need for Military use/ investment in biofuels. More on biofuels can be found in TidewaterCurrent "Eco Transport" and "Transportation-Fuel/Vehicles" collections .
July 18, 2012



10 Electric Cars You Can Buy This Year!

cleantechnica



TidewaterCurrent 7.16.12 - This is a link to a Car Answers and EV Fact Page that that will be updated with current info as it becomes available.
July 16, 2012



Unconquered Sun and FLEXcon to Deliver Solar Powered Golf Carts

solarnovus



TidewaterCurrent 7.17.12
July 18, 2012



London's Emirates Air Line cable car service launches - Telegraph

telegraph.co.uk



TidewaterCurrent 6.28.12 - Cable cars can transport 2500 people per hour, the same number it would take 30 busses to move at the same cost as the underground.

<http://www.telegraph.co.uk/travel/destinations/europe/uk/london/9362037/Londons-Emirates-Air-Line-cable-car-service-launches.html>

July 15, 2012



The beginning of personal rapid transit | SmartPlanet

smartplanet



TidewaterCurrent 6.30.12 - First system opened at Heathrow. Much less expensive to develop than light rail, more systems are expected elsewhere including the U.S.
<http://www.smartplanet.com/blog/smart-takes/the-beginning-of-personal-rapid-transit/27434?tag=main;river>
July 15, 2012



High-Speed Rail Investment in U.S. Would Result in \$26.4 Billion Net Benefits by 2040

cleantechnica



TidewaterCurrent 7.17.12 - American Public Transportation Association reports that the cost of high speed rail may be high, but failure to develop it will be more costly.
July 17, 2012

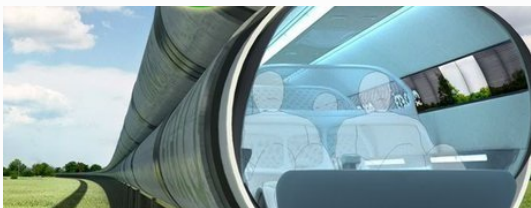


Bike Shares: A Global Trend

sustainablecitiescollective



TidewaterCurrent 7.10.12 - Bicycle commuting increased 70% between 2000-2009 in 55 US metro areas. Author looks at trends and programs that promote growth.
July 16, 2012



The 2,500 mph VacTrain: One Possible Future for Mass Transportation

treehugger



TidewaterCurrent 7.10.12 - New York to London in an hour. Transport of the future - maybe?
July 14, 2012

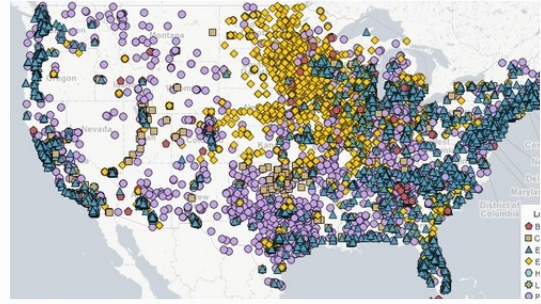


Danish EV With Fuel Cells Has 500 Mile Driving Range «

earthtechling



TidewaterCurrent 7.3.12 - A biomethanol synthetic fuel alternative employed as a range extender.
July 14, 2012



Alternative Fueling Station Locator and 2012 Vehicle Buyer's Guide Tidewater Current | Summer 2012

tidewatercurrent



TidewaterCurrent If your interested in an alternative fuel vehicle, check out the link to the Clean Cities Buyer's Guide. There is also a link to an interactive DOE map of alternative fueling locations.
July 15, 2012



City of Sydney, Australia Builds Separate Bike Lane, Bike Usage Explodes by 82%

cleantechnica



TidewaterCurrent 7.9.12 - To increase cycling in the city, bike lanes are being built, vehicular traffic speed slowed and priority is given to bike lanes over vehicular traffic.
July 14, 2012



Following the Sun – Solar Touring Continues this summer as Ra begins it's 131 day Solar Odyssey along the Great Loop

tidewatercurrent



TidewaterCurrent 7.14.12 - Tour to begin in Clearwater on July 22. Links to website included with schedule of stops.
July 14, 2012

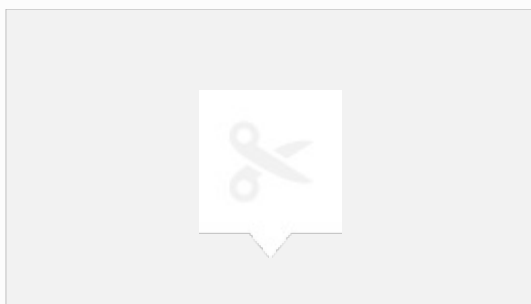


Virgin Airlines To Invest in Biofuels

wire.kapitall



TidewaterCurrent 6.22.12 - Richard Branson and Virgin have founded a new organization called the Carbon War Room and hired a previous president of Costa Rica to run the group which will look to reduce carbon emissions globally. Virgin is very interested in algae and isobutanol based fuel. Author notes that 1500 flights on biofuels have been reported. Great list of producers and price points included.
<http://wire.kapitall.com/investment-idea/virgin-airlines-to-invest-in-biofuels/>
July 14, 2012



Va. Beach light rail supporters form PAC

newsleader



TidewaterCurrent 7.6.12 - Town Bank makes \$25,000 donation.
July 14, 2012



Portland co. unveils solar-powered charging station for electric cars

mainebiz.biz



TidewaterCurrent Portland, Maine - Revision Energy solar charging station grand opening on July 26.
July 14, 2012



Sailing Into a Sustainable Future

tidewatercurrent



TidewaterCurrent Several posts on how renewable technologies are being integrated into the shipping/watercraft industry. Biofuels, kites, wind are among the technologies highlighted as well as port, shipping and eco industry initiatives.
July 14, 2012



The Firefly is a 100% Solar-Powered Boat That Only Costs \$2900!

inhabitat



TidewaterCurrent 7.9.12 -
July 14, 2012



The Triple Bottom Line of Green Cycling: Good for You, Good for Community, Good for the Economy

blog.cleantechies



TidewaterCurrent 7.10.12 - Includes links to some great articles.
July 14, 2012



U.S. Navy moves ahead on biofuels despite congressional ire

reuters



TidewaterCurrent 7.5.12 - Navy Biorefinery effort to provide some \$210 million in matching funds to aid private investment in biofuel production. According to Navy Secretary Ray Mabus the push "enhances our national security." Congress has banned the Navy from spending more on biofuel than conventional fuel in the future, but there simply isn't support to block this new initiative.

July 14, 2012



Driving a Solar-Powered EV (Interview)

cleantechnica



TidewaterCurrent 7.4.12 - Nissan Leaf Owner interviewed. Good Info.
July 14, 2012



Green Light for California High-Speed Rail Network

cleantechnica



TidewaterCurrent 7.7.12 - Line planned from SF to LA.
July 14, 2012



Orange You Glad I Said Biofuel? Transportation-Fuel

cleantechnica



TidewaterCurrent 7.7.12 - Orang Peel Exploitation Company (OPEC) organized to create a zero waste biorefinery project for discarded orange peel from the juice industry. An OPEC refinery is planned for NY. So it could just be a matter of time before orange biofuel can be pumped into our gas tanks.
July 14, 2012



Japanese Students Unveil Electric Roadway that Wirelessly Charges Electric Vehicles

inhabitat



TidewaterCurrent 7.10.12 - Fascinating idea: Recharge your car as you drive. Who pays for it? Is it toll road? How expensive are they to build and maintain?
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