



**Conversion Technology E-Newsletter - January 2011**  
01/18/2011

**Staff updates**

**Invitation to Steve Uselton Memorial**

CalRecycle invites you to join them on January 25 for a tribute to Steve Uselton, from 10:00 a.m.-2:00 p.m in San Dimas. Mr. Uselton and his son Doug were involved in an automobile accident over the holiday season that ended their lives. Mr. Uselton worked for CalRecycle out of the Long Beach office and will be missed. If you'll like to attend the memorial, kindly RSVP to Danielle Aslam at [Danielle.Aslam@calrecycle.ca.gov](mailto:Danielle.Aslam@calrecycle.ca.gov) by January 21. The tribute will be held at:

Christ Church of the Valley

1404 W. Covina Blvd

San Dimas, CA 91773

(909) 592-2282

For directions: <http://www.ccvsocial.com/contact-us/service-times-directions/>

**Events**

**Alternative Technology Advisory Subcommittee**

The Alternative Technology Advisory Subcommittee will be meeting on:

Thursday, January 20, 2011 10:00 a.m.

Department of Public Works

900 South Fremont Ave., Annex Bldg.

1st floor Conference Room

Alhambra, CA 91803

For more information, please visit the [website](#).

**VERDEXCHANGE CONFERENCE 2011**

January 23, 2011 - January 25, 2011

Los Angeles Marriott Downtown

333 South Figueroa Street

Los Angeles, California, 90071

For more information visit the [website](#).

**Thinking Outside the Blue Box: Zero Waste Conference**

February 16-17, 2011  
Crowne Plaza-Los Angeles Airport  
5985 W. Century Boulevard  
Los Angeles, California 90045  
For more information visit the [website](#).

## **News**

### **Fulcrum Bioenergy in negotiations for a \$120 million federal loan guarantee with the US DOE**

The California based company is designing a facility that would process post recycled municipal solid waste and produce ethanol and electricity. The facility is expected to be operational in 2012 and would be creating 53 full time operations jobs. To read more, visit the [website](#).

### **EECOfuels unveils Africas first biomass-powered gasification plant**

The plant is a pilot operation and the electricity is fed through a resistor for demonstration purposes. The company adds that a plant such as this could, however, provide about 50% of the electricity needs of the business park that it occupies. ECOfuels is also currently constructing a 500-kW plant. To read more, visit the [website](#).

**Questions or Comments? Please email us at [staff@socalconversion.org](mailto:staff@socalconversion.org)**



**Conversion Technology E-Newsletter - February 2011**  
02/24/2011

**Staff updates**

**L.A. County CT Demonstration Project receives major grant funding from CEC**

The Los Angeles County-endorsed anaerobic digestion project currently being developed by CR&R Incorporated and Arrow Bio recently received \$4.5 million in grant funding from the California Energy Commission. Five projects have been selected by the California Energy Commission for a \$26 million boost in funding to produce biomethane for use as a transportation fuel. Click [here](#) to read more.

**ATAS Meeting Cancelled**

There will not be an Alternative Technology Advisory Subcommittee meeting in the month of February. Monthly meetings will resume March 2011.

**Projects**

**Request for Qualifications (RFQ)- County of Sacramento**

The County of Sacramento has released a Request for Qualifications for Public Private Partnership for energy conversion projects at the County's South Area Transfer Station. The deadline to submit Statement of Qualifications is Friday, March 25, 2011.

For more information please visit [www.sacgreenteam.com](http://www.sacgreenteam.com)

**Events**

**Southern California Waste Management Forum - Spring Conference**

March 24, 2011

SCWMF Spring Conference

Sempra Energy Center

9240 Firestone Blvd.

Downey, CA 90242

For more information visit the [website](#).

**California Biomass Collaborative**

UC Davis Energy Week 2011

April 7 - April 11, 2011

For more information visit the [website](#).

**News**

## **Obama Administration gives more than \$600M in loan guarantees to 4 biofuel companies**

The US Department of Agriculture has awarded \$600 million in loan guarantees to a quartet of biofuel companies that produce fuel from wood chips, municipal waste, cooking oil and other sources. The loans are meant to help the companies get to commercial scale production amid the difficult financial markets and to help the industry meet government set mandates for how much ethanol must be blended with petroleum under national renewable fuel standards. Click [here](#) to read more.

## **DOE FY2012 budget request includes substantial investment in bioenergy**

Secretary of Energy Steven Chu detailed President Obamas \$29.5 billion Fiscal Year 2012 budget request for the U.S. DOE this week. The request is part of an administration-wide plan to win the future by out-innovating, out-educating and out-building the rest of the world, and includes a substantial investment in biofuels, bioenergy, and biopower research and development. \$340.5 million was requested for Biomass and Biorefinery Systems RD&D (research, development and demonstration), which includes \$117 million for conversion technologies. Click [here](#) to read more.

## **Salinas Valley Solid Waste Authority board gives the green light to plasma arc gasification of MSW project at Gonzales landfill**

The Salinas Valley Solid Waste Authority board voted 6-3 to go ahead with an environmental impact report (EIR) studying the use of the emerging technology, that would convert municipal solid waste at the landfill into energy. Plasco Energy Group from Canada is the the technology provider and has committed to pay for the cost of the environmental review process and construction cost for a plant at the landfill. To read more visit the following websites for related articles, [Monterey Herald](#) and [Waste Management World](#).

## **EPA trims costs to control toxic air pollution**

The EPA said it found ways to control pollution at more than 200,000 industrial boilers, heaters and incinerators nationwide at a 50 percent cost savings to the companies and institutions that run them. Click [here](#) to read more.

## **GE, Conoco, NRG invest \$300 Million in venture to support clean energy**

General Electric Co., ConocoPhillips and NRG Energy Inc. have committed \$300 million in capital to a joint venture company, called Energy Technology Ventures, which will invest in emerging energy technology companies. Click [here](#) to read more.

## **City of Redlands approves negotiations with biomass company**

The city of Redlands, CA has agreed to exclusive negotiations with North American Biomass Co. This company is proposing to lease city-owned property for the development of gasification and biogas facilities. Click [here](#) to read more.

### **Dynamis Energy is looking to develop two thermal gasification plants in Idaho**

Dynamis Energy currently has a gasification plant in Alaska and is looking to take its emerging technology to Ada County and Clark County in Eastern Idaho and convert their solid waste into clean energy. Click [here](#) to read more.

### **Emerging technologies beat landfills say experts**

In a recent conference held in South Carolina the issue of landfill disposal and its harmful practice community impacts were discussed. Project developers are seeking to build ReVenture Park, a gasification facility, in Mecklenburg County. Click [here](#) to read more.

### **Partnership between Waste Management and Genomatica (San Diego Based company) to turn trash into a valuable resource**

Waste Management has struck a deal with chemicals company Genomatica to turn the solid municipal waste into a revenue stream. Genomatica is developing biological production processes that will create marketable chemicals from the syngas generated by municipal waste, which is harvested through anaerobic digestion, gasification or naturally occurring landfill gases. Waste Management has struck a deal with chemicals company Genomatica to turn the solid municipal waste into a revenue stream. Genomatica is developing biological production processes that will create marketable chemicals from the syngas generated by municipal waste, which is harvested through anaerobic digestion, gasification or naturally occurring landfill gases. Click [here](#) to read more.

### **Clean Break: Is Torontos trash being wasted?**

This article illustrates the dilemma that many jurisdictions are facing regarding solid waste management. The author looks at long-distance shipping of solid waste vs. CTs and other waste reduction ideas. He highlights two CT companies Plasco and Enerkem that are already successfully operating facilities. Click [here](#) to read more.

### **Mayor kicks off work on gasification plant**

London Mayor Boris Johnson officially kicked off work on one of the UK's first large-scale advanced gasification plants. The gasification plant is expected to create 25 permanent skilled jobs as well as up to 100 construction jobs during the building works. Click [here](#) to read more.

**Questions or Comments? Please email us at [staff@socalconversion.org](mailto:staff@socalconversion.org)**



**Conversion Technology E-Newsletter - March 2011**  
03/16/2011

**Staff updates**

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The Los Angeles County-endorsed anaerobic digestion project currently being developed by CR&R Incorporated and Arrow Bio recently received \$4.5 million in grant funding from the California Energy Commission. Five projects have been selected by the California Energy Commission for a \$26 million boost in funding to produce biomethane for use as a transportation fuel. Click [here](#) to read more.

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**Events**

**The Alternative Technology Advisory Subcommittee will be meeting on:**

Thursday, March 17, 2011 10:00 a.m.  
Department of Public Works  
900 South Fremont Ave.,  
Conference Room B  
Alhambra, CA 91803  
For more information, please visit the [website](#).

**Southern California Waste Management Forum - Spring Conference**

March 24, 2011  
SCWWMF Spring Conference  
Sempra Energy Center  
9240 Firestone Blvd.  
Downey, CA 90242  
For more information visit the [website](#).

**California Biomass Collaborative**

UC Davis Energy Week 2011  
April 7 - April 11, 2011  
For more information visit the [website](#).

## **News**

### **Oneida tribe's alternative energy plant approved by Green Bay City Council**

Green Bay City Council has approved for a gasification plant that will process 150 tons of household trash daily and generate 5 megawatts of energy, it will also create up to 30 jobs. Click [here](#) to read more.

### **Atlantic County Utilities Authority helping to develop technology that captures gas from heating trash**

A partnership between NRG Energy and ACUA has been reached in order to develop a plasma gasification plant at a local Atlantic City landfill. The project would use post sorted municipal solid waste as it's feedstock that would be converted to energy. Click [here](#) to read more.

### **Due Diligence: How to Evaluate a Renewable Energy Technology**

What can you do to determine if the hype is real or just hype? In this article, the author has provided an outline of what you need to look at when considering renewable energy technology. Click [here](#) to read more.

### **Biomass Gasification Project Underway in Montgomery, New York**

U.S. Senator Charles E. Schumer and U.S. Representative Maurice Hinchey joined Jim Taylor, president and CEO of Taylor Biomass Energy, for the Taylor Biomass Energy facility groundbreaking ceremony in the town of Montgomery, New York. Click [here](#) to read more.

### **Proposals for resource recovery plant in Aberdeenshire, UK to go on display**

Developers for a proposed resource recovery plant is asking for public input on four design plans before the final blue print is done. The facilities technology will be composed of a mechanical biological treatment works and a gasification system for recovering energy from waste after recyclable material has been removed. About 200 jobs will be created during the construction phase and 35 when the site is operational. Click [here](#) to read more.

### **Adama Technologies Signs Final Accord for Romanian Renewable Energy Project**

Adama Technologies is developing a gasification project that will generate 2.5 MW in Bucharest, Romania. Click [here](#) to read more.

## **120,000 ton Waste to Energy Gasification Facility Planned in Eastern Idaho**

The Eastern Idaho Regional Solid Waste District (EIRSWD) Dynamis Energy have signed a contract for a Waste to Energy plant based on the company's Dynamis 3.0 Advanced Thermal Gasification Technology. According to the company, the Dynamis 3.0 technology utilizes a controlled air gasification process, which allows for a thermal conversion of waste products into a combustible gas. Click [here](#) to read more.

**Questions or Comments? Please email us at [staff@socalconversion.org](mailto:staff@socalconversion.org)**



**Conversion Technology E-Newsletter - May 2011**  
05/19/2011

**Staff updates**

**Conversion Technology Demonstration Projects Six-Month Siting Assessment Report**

The Los Angeles County Department Of Public Works submitted a six month siting assessment report to the Board of Supervisors on April 21, in which the following highlights on the projects were presented:

- Assisting CR&R, Inc., one of the three approved demonstration project developers, in securing a \$4.5 million grant from the California Energy Commission.
- Advancing discussions with several site owners and operators in the County of Los Angeles who are interested in developing a facility.
- Identifying Federal and State funding opportunities for Phase III and Phase IV projects.
- Developing resources for local stakeholders, such as a listing of technology vendors and potential funding entities.

Public Works will continue to work with interested stakeholders to identify potential project locations within the County, evaluate the viability of new conversion technologies, and provide technical assistance to project developers.

The read the complete report click [here](#).

**Events**

**The Alternative Technology Advisory Subcommittee will be meeting on:**

Thursday, May 26, 2011 10:00 a.m.

Department of Public Works

900 South Fremont Ave.,

Conference Room B

Alhambra, CA 91803

For more information, please visit the [website](#).

**VX Canada**

June 5-6, 2011, Toronto, Canada

For more information please visit the [website](#).

## **1st Annual Waste Conversion Technology Congress 2011**

June 8-9, 2011, Philadelphia, PA

For more information, please visit the [website](#).

### **NEWS**

#### **California's missing the boat on trash-to-power technology**

David A. Roberti, former California legislature member with 27 years of experience and now president of the BioEnergy Producers Association, wrote an opinion piece describing the permitting hurdles that are hindering Conversion Technologies in California. To read more click [here](#).

#### **Mayor says trash/energy gasification model still being considered**

City officials in Taunton, Massachusetts have expressed interest in having the city look at other Conversion Technology vendors besides IWT, the Mayor is now in agreement to consider other vendors without discarding gasification as a possibility. To read more click [here](#).

#### **Turning Waste into Fuel in Thailand by way of UC Riverside**

Lab in Thailand to use UC Riverside developed process to turn biomass and agricultural waste into gasoline, diesel and jet fuels. To read more click [here](#).

#### **Air Force Steps Ahead with Plasma Waste to Energy**

The U.S. Air Force Special Operations Command has commenced operations of a transportable plasma waste to energy system - developed with Canadian gasification specialist, Pyrogenesis - at its Hurlburt Field, Florida base. To read more click [here](#).

**Questions or Comments? Please email us at [staff@socalconversion.org](mailto:staff@socalconversion.org)**



**Announcement: Los Angeles County Releases Request for Expressions of Interest**  
06/22/2011

**County of Los Angeles Releases Request for Expressions of Interest (RFEI)**

The County of Los Angeles Department of Public Works is seeking information on conversion technologies that are offered in the U.S. market and would be available for application for one or more projects in the County of Los Angeles, California. The County is looking to compile information regarding two categories of potential partners in the development of conversion technology facilities within L.A. County:

1. Conversion technology providers and/or project developers representing such providers. Companies are invited to provide information on their technology, as well as qualifications and resources of their company.

A copy of the Technology RFEI can be downloaded [here](#).

2. Financial firms who are interested in exploring partnership opportunities with conversion technology development teams comprised of both public and private entities. Companies are invited to provide information on their experience, qualifications and resources with respect to financial advisory services to public and private project developers and/or investment banking and similar transaction structuring, underwriting and placement services.

A copy of the Financial RFEI can be downloaded [here](#).

**The due date for both solicitations is Thursday, July 28, 2011.**

**Questions or Comments? Please email us at [staff@socalconversion.org](mailto:staff@socalconversion.org)**



**Announcement: LA County RFEI Extension Offered**  
07/27/2011

**County of Los Angeles Announces Time Extension for Request for Expressions of Interest (RFEI) Responses**

**Please note that the County has extended the deadline for responses to both RFEIs to August 11, 2011.**

The County of Los Angeles Department of Public Works is seeking information on conversion technologies that are offered in the U.S. market and would be available for application for one or more projects in the County of Los Angeles, California. The County is looking to compile information regarding two categories of potential partners in the development of conversion technology facilities within L.A. County:

1. Conversion technology providers and/or project developers representing such providers. Companies are invited to provide information on their technology, as well as qualifications and resources of their company.

A copy of the Technology RFEI can be downloaded [here](#).

**New**

[Technology RFEI: Summary of Questions & Answers \(Updated July 27, 2011\)](#)

2. Financial firms who are interested in exploring partnership opportunities with conversion technology development teams comprised of both public and private entities. Companies are invited to provide information on their experience, qualifications and resources with respect to financial advisory services to public and private project developers and/or investment banking and similar transaction structuring, underwriting and placement services.

A copy of the Financial RFEI can be downloaded [here](#).

**New**

[Financial Services RFEI: Summary of Questions and Answers \(July 27, 2011\)](#)

**The due date for both solicitations is Thursday, August 11, 2011.**

**Questions or Comments? Please email us at [staff@socalconversion.org](mailto:staff@socalconversion.org)**



## **Conversion Technology August News**

08/10/2011

### **EVENTS**

#### **Alternative Technology Advisory Subcommittee**

Please note that the Subcommittee will go dark during the month of August. We will resume our monthly meetings in September.

#### **WASTECON: Featuring the Best in Solid Waste**

August 23-26, 2011

Nashville, TN

For more information regarding this conference, please visit the [website](#).

#### **Waste-to-Fuels Conference and Trade Show**

September 25-27, 2011

San Diego, CA

For more information regarding this conference, please visit the [website](#).

### **NEWS**

#### **Senators Draft Legislation to Soften Boiler Air Rules**

A bipartisan group of senators has drafted a bill that would delay enactment and compliance deadlines for EPA's controversial air rules for boilers and incinerators, while at the same time clarifying that biomass, tire-derived fuel and other materials would not be subject to strict incinerator emissions requirements. The bill also seeks to clarify EPA's definition of solid waste rule which determines which non-hazardous secondary materials are considered to be solid waste and therefore subject to the more stringent CISWI rules. To read the article, please click [here](#).

#### **Indians Plans to Convert a 100 MW Coal Plant to Solid Waste Gasification Facility**

Closing out a century as a coal-fired generator, municipal utility Richmond Power & Light of Indiana plans to switch its 100-MW Whitewater Valley coal-fired generating station to burn gas produced from solid waste by the spring of 2013. To read the article, please click [here](#).

#### **Terrabon Secures Jet Fuel Production Contract**

Bioenergy company Terrabon Inc. (Houston, TX) has secured a \$9.6 million, 18-month contract from Logos Technologies to produce 6,000 liters of renewable jet fuel for the Defense Advanced Research Projects Agency. To read the article, please click [here](#).

### **University of Wisconsin Constructs Anaerobic Digester as part of Carbon Neutrality Plan**

BIOFerm Energy Systems has designed and constructed a high solids dry fermentation anaerobic digester on the campus of the University of Wisconsin, Oshkosh. The digester is owned by the University and will process food, yard, and crop waste into heat and electricity. The project will provide approximately 8 percent of the campus electricity demand. To read more, please click [here](#).

### **Gasification System Planned at Denver Zoo**

Plans are underway at the Denver Colorado Zoo to build a biomass gasification system that will convert more than 90 percent of the zoos solid waste into clean, usable energy on site. Use of this system is expected to save \$150,000 per year in energy and waste hauling costs and help reduce the amount of zoo waste going to landfills by 1.5 million pounds per year. To read more, please click [here](#).

### **Vancouver Waste Plan Calls for 70% Diversion and Waste-to-Energy**

Metro Vancouver, BC has won approval for its long range solid waste plan that seeks to minimize waste, aim for 70 percent waste diversion, and develop two waste-to-energy facilities. Vancouver will undertake a competitive process for any new or upgraded waste-to-energy facilities or landfills that considers air quality both inside and outside the Metro Vancouver region. To read more, please click [here](#)

**Questions or Comments? Please email us at [staff@socalconversion.org](mailto:staff@socalconversion.org)**



**September Newsletter**  
09/14/2011

## **EVENTS**

### **6th Annual California Bioresources Alliance Symposium**

September 13-14, 2011

Sacramento, CA

For more information regarding this meeting, please visit the [website](#).

### **Alternative Technology Advisory Subcommittee**

September 15, 2011

Alhambra, CA

For more information regarding this meeting, please visit the [website](#).

### **Waste-to-Fuels Conference and Trade Show**

September 25-27, 2011

San Diego, CA

For more information regarding this conference, please visit the [website](#).

### **Southern California Waste Management Forum Annual Conference & Exhibit: Connecting the Dots to Sustainability**

November 9, 2011

Fullerton, CA

For more information, regarding this conference, please visit the [website](#).

### **Waste Conversion Congress West Coast**

December 6-7, 2011

San Jose, CA

For more information regarding this conference, please visit the [website](#).

## **NEWS**

### **Sweet Waste Powering Nestle Plant**

An England-based Nestle confectionary plant will soon be processing its waste in an anaerobic digester. About 1,200 tonnes of sweet waste will be converted into biogas that will be used to produce renewable energy for the plant and surrounding community. To read more, please click [here](#).

### **INEOS Waste-to-Fuel Plant receives \$75 Million Loan Guarantee from the USDA**

INEOS New Plant Energy LLC, located in Vero Beach FL has received a \$75 million loan guarantee from the U.S. Department of Agriculture. Planned to come online in 2012, the plant will convert approximately 300 tons per day of agricultural and yard waste into ethanol and electricity via a gas fermentation process. To read more, please click [here](#).

**North American Bio Fuels Group Announces Proposal for \$400 Million Gasification Plant in West Virginia**

The North American Bio Fuels Group announced the proposal of the \$400 million plant at the July 26 Hampshire County Commission meeting. The facility would take municipal solid waste and turn it into clean fuel and five other commercial byproducts. When built, the facility is expected to create 90-120 full-time positions. To read more, please click [here](#).

**Questions or Comments? Please email us at [staff@socalconversion.org](mailto:staff@socalconversion.org)**



**Los Angeles County Conversion Technology - October Newsletter**  
10/13/2011

**EVENTS**

**Alternative Technology Advisory Subcommittee**

October 20, 2011

Alhambra, CA

For more information regarding this meeting, please visit the website:

<http://dpw.lacounty.gov/epd/tf/meetings.cfm>

**Southern California Waste Management Forum Annual Conference & Exhibit:  
Connecting the Dots to Sustainability**

November 9, 2011

Fullerton, CA

For more information regarding this conference, please visit the website:

<http://www.scwmf.org>

**ASME 2011 International Mechanical Engineering Congress and Exposition**

November 11-17, 2011

Denver, CO

For more information regarding this conference, please visit the website:

<http://www.asmeconferences.org/congress2011/>

**Waste Conversion Congress West Coast**

December 6-7, 2011

San Jose, CA

For more information regarding this conference, please visit the website:

[www.eyeforenergy.com/wasteconversion/](http://www.eyeforenergy.com/wasteconversion/)

**NEWS**

**Salinas Valley Solid Waste Authority Approves Commencement of EIR for  
Conversion Technology Facility**

At its September 15, 2011 meeting, the Salinas Valley Solid Waste Authority moved closer to determining if a proposed gasification facility will be an environmentally sound choice to eventually close the Johnson Canyon Landfill near Gonzales, California. To read more, please click [here](#).

**San Jose Will Digest Its Trash**

Like many cities nationwide, San Jose is striving to become "zero waste," meaning it plans to recycle, compost or transform into energy all of the refuse it generates annually. City officials and industry experts say San Jose is setting itself up to be the first municipality in the nation to use dry anaerobic digestion, a technology that transforms the methane gas given off by composting garbage into electricity or natural gas. Last month, San Jose agreed to build a \$20 million dry anaerobic digestion plant on 40 acres it shares with the city of Santa Clara. To read more, please click [here](#).

### **Fulcrum BioEnergy Files for \$115 Million IPO for Waste to Ethanol Plant**

Fulcrum BioEnergy has filed plans to raise up to \$115 million in an initial public offering aimed at funding its first commercial scale waste-to-ethanol plant being constructed near Reno, NV. The company's proprietary technology will convert solid waste into ethanol. According to Fulcrum BioEnergy, their first commercial-scale facility could produce about 10 million gallons of ethanol per year at a cost of \$1.30/gallon. To read more, please click [here](#).

### **Canadian Plasma Arc Gasification Company Completes US Navy System Trial**

Canadian plasma technology manufacturer, PyroGenesis, has completed the testing of its Plasma Arc Waste Destruction System with the Navy. Installed on a Navy aircraft carrier back in 2008, this system was used for the treatment of onboard waste. Following the trial, the system was disassembled, packaged and shipped this week for installation on board the Navy CVN 78 aircraft carrier. To read more, please click [here](#).

### **Enerkem Breaks Ground on Edmonton Waste-to-Biofuels Plant**

Enerkem (Montreal, Quebec) has broken ground on its full-scale waste-to-biofuels facility in Edmonton, Alberta. Enerkem employs a gasifier to convert mixed wastes and residues into a pure synthesis gas (or syngas) that can then be converted into chemicals or biofuels using chemical catalysts. To read more, please click [here](#).

### **Dairy Waste AD System Kicks off Biomass Conference Tour**

Raising his voice over the loud noises of the anaerobic digestion (AD) system at Fairview Swiss Cheese in Fredonia, Pa., Rick Koller explained the ins and outs of the process to tour participants of the Northeast Biomass Conference & Trade Show held in Pittsburgh Oct. 11-13. To read more, please click [here](#).

### **Sainsburys Pledges Zero Waste and Carbon Goals by 2020**

Sainsbury's aims to become a zero waste to landfill retailer by 2020 and is confident that all new stores built after that date will produce zero carbon. The ambitious goals form part of the retailer's new 20 by 20 [sustainability plan](#) launched yesterday (October 11) at its Holborn headquarters in London. Under the plan, the company has set 20

environmental goals to achieve by 2020, including anaerobic digestion of food waste. To read more, please click [here](#).

### **Waste not, Want Not**

Will filling your car with biofuel ever be sustainable? Matthew Aylott says that new technology is set to make this dream a reality. Could the rubbish you throw out today fuel your car tomorrow? It sounds like a simple idea, and it's one that has caught the attention of scientists, big businesses and governments across the globe. To read more, please click [here](#).

### **Waste Wood Conversion for Coal Fired Thai Power Plant**

Biomass and waste to energy systems provider, DP CleanTech has been contracted to convert an aging coal fired power plant in Thailand to run on waste wood such as eucalyptus bark. According to the company, the retrofitted plant will provide electricity and steam to the country's largest bioethanol plant which is currently being built by TPK Ethanol. The new bioethanol plant, in Nakorn Ratchasima, is expected to produce 1 million liters of bioethanol a day. To read more, please click [here](#).

### **Waste Management Takes Equity Position In InEnTec**

Waste Management Inc. said Wednesday that it has taken an equity position in InEnTec Inc., a waste treatment company that it previously teamed up with to form a joint venture. Waste Management and InEnTec formed S4 Energy Solutions in 2009 to design, build and operate a waste gasification plant using InEnTec technology. To read more, please click [here](#).

### **The Carpuccino May Set Waste-Powered Speed Record**

British conservationist, Martin Bacon is attempting to break the Guinness World Record for fastest car fueled by gasification. The feedstock used to fuel his 35-year-old Rover are pellets made from recycled coffee grinds. To read more, please click [here](#).

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11/14/2011

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November 17, 2011

Alhambra, CA

For more information regarding this meeting, please visit the website:

<http://dpw.lacounty.gov/epd/tf/meetings.cfm>

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December 6-7, 2011

San Jose, CA

For more information regarding this conference, please visit the website:

[www.eyeforeenergy.com](http://www.eyeforeenergy.com)

**Pacific West Biomass Conference**

January 16-18, 2012

San Francisco, CA

For more information regarding this conference, please visit the website:

<http://pacificwest.biomassconference.com/favicon.ico>

**Energy, Utility and Environment Conference (EUEC) 2012**

January 31-February 2, 2012

Phoenix, AZ

For more information regarding this conference, please visit the website:

<http://www.euec.com/SubmitAbstract.aspx>

**STAFF UPDATES**

On October 20, 2011, the Los Angeles County Department of Public Works submitted a six-month status report on the Conversion Technology Site Assessment to the County Board of Supervisors. The Status Report summarizes the efforts Public Works has undertaken to advance conversion technology development in the County of Los Angeles during the period of April 2011 through October 2011. To read the Assessment, please click [here](#).

**NEWS**

**Vendor Picked in Santa Barbara Conversion Technology Project**

After years of talking about fitting the Tajiguas Landfill with an ambitious trash-to-energy conversion technology, Santa Barbara County Resource Recovery and Waste Management Division have selected a technology developer for this project. To read more, please click [here](#).

### **Palo Alto Moves Forward with Green Energy Project**

The voters of Palo Alto approved yesterday a measure that repurposes 10 acres of open space for a state-of-the-art green energy and biological conversion facility. The proposed site is part of 126 acres that are dedicated to expanding a local public park following closure of the Palo Alto Landfill. To read more, please click [here](#).

### **U.S Missing Out On Energy from Trash, Study Says**

Columbia University researchers assert that tech breakthroughs in recent years now make sending trash to landfills a waste of energy. While recycling and energy recovery from plastics is on the rise, about 86 percent of used plastics are still sent to landfills. It's a big waste considering its energy potential, according to the 33-page report, Energy and Economic Value of Non-recycled Plastics and Municipal Solid Wastes that are Currently Landfilled in Fifty States. To read more, please click [here](#).

### **WM Acquires InEn Tec Stake Relinquishing S4 Joint Venture**

Waste Management, Inc. (Houston, TX) has made a \$22 million investment in closely held InEnTec Inc., its joint venture partner in S4 Energy Solutions LLC. The deal involved a share-for-share exchange that makes S4 Energy the wholly owned subsidiary of InEnTec, of which Waste Management is now a major shareholder. To read more, please click [here](#).

### **Various Waste-and Residue-to-Energy Projects are Being Implemented Around the World**

Not long ago, the term "waste-to-energy" was used primarily to refer to incinerators or "mass burn" facilities that turned refuse into a few kilowatt hours of electricity in regions that did not have much landfill space. As energy and fuel costs have risen and landfill space has hardly multiplied more research and development time and more investment dollars have been poured into squeezing some type of energy out of discarded materials. To read more, please click [here](#).

### **EPA Plans to Clarify Biomass as a Fuel Not a Waste**

EPA is planning to revise its regulation defining biomass as a fuel subject to its boiler air toxics rule rather than a waste subject to stricter emissions limits for incinerators. To read more, please click [here](#).

### **Supermarket Sends All Food Waste to Anaerobic Digesters**

UK Supermarket chain, Sainsburys, has signed a three year contract with waste management company Biffa to dispose of all of its food waste at anaerobic digestion (AD) facilities across the country. To read more, please click [here](#).

### **W2E Launches Model Anaerobic Digestion Facility in Columbia, S.C.**

W2E Organic Power is building an anaerobic digestion facility in Columbia, S.C., which will be its flagship template for future waste-to-energy (WtE) projects. Construction is expected to start shortly and it is anticipated to begin operating in 2012 at a cost of \$23 million. To read more, please click [here](#).

### **Company to Build \$60 Million Waste-to-Energy Plan in Boise, Idaho**

Ada County, Idaho signed an agreement with Dynamis Energy, LLC (Eagle, ID) to build an advanced waste-to-energy facility at the county's Hidden Hollow landfill. To read more, please click [here](#).

**Questions or Comments? Please email us at [staff@socalconversion.org](mailto:staff@socalconversion.org)**



**Los Angeles County Conversion Technology-December Newsletter**  
12/20/2011

**EVENTS**

**Alternative Technology Advisory Subcommittee**

There is no meeting in December; the next meeting will be in January, 2012.

For more information regarding this meeting, please visit the website:

<http://dpw.lacounty.gov/epd/tf/meetings.cfm>

**Pacific West Biomass Conference**

January 16-18, 2012

San Francisco, CA

For more information regarding this conference, please visit the website:

<http://pacificwest.biomassconference.com/favicon.ico>

**VerdeExchange Conference**

January 22-24, 2012

Los Angeles, CA

For more information regarding this conference, please visit the website:

<http://www.verdexchange.org/conference>

**Energy, Utility and Environment Conference (EUEC) 2012**

January 31-February 2, 2012

Phoenix, AZ

For more information regarding this conference, please visit the website:

<http://www.euec.com/SubmitAbstract.aspx>

**Renewable Energy World Conference & Expo North America**

February 14-16, 2012

Long Beach, CA

For more information regarding this conference, please visit the website:

<http://www.renewableenergyworld-events.com/index.html>

**STAFF UPDATES**

On November 16, 2011 the City of Perris Planning Commission, certified the environmental permit for a 150 ton-per-day municipal solid waste (MSW) conversion technology anaerobic digester. This is the first conversion technology project of its type in Southern California to receive this level of approval from local regulatory agencies and

support with no objections from the community. The project developer is CR&R Incorporated.

## **NEWS**

### **Waste Management Invests \$15 Million in Enerkems Alberta Waste-to-Fuel Project**

Waste Management, Inc. (Houston, TX) is increasing its investment in waste-to-fuel developer Enerkem which along with EB Investments is investing another \$15 million for a minority equity interest in Enerkem Alberta Biofuels L.P., a full-scale commercial facility being built in Edmonton, AB. To read more, please click [here](#).

### **Waste Management Invests In Biofuels Firm**

Houston-based Waste Management, Inc said that it has invested in a California biofuels maker, Fulcrum BioEnergy, to the tune of \$70M. To read more, please click [here](#).

### **Waste Management Invests in InEnTecs Plasma Gasification Technology.**

In a move that displays solid confidence in a plasma gasification technology patented by Bend, Ore.-based InEnTec, Waste Management Inc. has transitioned from a joint venture investment with the company to an equity position. To read more, please click [here](#).

### **Waste-to-Fuels Company to Build \$450 Million Plant in Louisiana**

Sundrop Fuels Inc. (Longmont, CO), a young company focused on developing what it calls green gasoline has announced plans to build its first production plant in central Louisiana. The plant will produce up to 50 million gallons annually of transportation fuel from plant fiber and agricultural waste. To read more, please click [here](#).

### **Vermont Builds Anaerobic Digestion Capacity**

Much activity related to anaerobic digestion has been happening in the State of Vermont. New projects have been started in the agricultural, municipal and industrial sectors. To read more, please click [here](#).

### **PowerHouse Energy Group testing coal waste for potential UK project**

PowerHouse Energy Group is currently conducting a new series of trials using a feedstock composition of coal waste (coal fines) sourced from a mining site in the UK. To read more, please click [here](#).

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