

CITY OF RAPID CITY TRAVEL REQUEST

Person requesting travel Jerry Wright Department Solid Waste Div. (7103)

I hereby request permission to travel for the following purpose: (Give specific nature of business and interest of the City to justify cost involved.)

~~Annual Biocycle Conference~~
~~Co-Composting & Organics Recycling~~

List all other City employees, if any, making the trip for the same purpose: _____

Place of meeting or destination: San Francisco, CA

Date of meeting March 7-9, 2005

Date trip to begin March 5, 2005 Date trip will end March 10, 2005

Method of transportation requested Air

Estimated transportation cost airfare quote as of 12/14 \$ 475.00

Meals 5 days out of state per diem 200.00

Lodging 5 nts. days 627.00

Other costs - description taxi/shuttle/to-from airport 40.00

Registration-Conference 450.00

Total estimated cost of trip \$ 1792.00

Signed [Signature] Date 12/15/04
(person requesting travel)

Date [Signature] Date 12-23-04
(Department Head)

When the cost of the trip will exceed \$500, per employee, this section must be signed.

In accordance with the provisions of Rapid City ordinances and travel regulations, consent is hereby given for travel as requested in the foregoing application. Maximum cost of trip authorized is \$ _____

Approved: _____ Date _____
Mayor

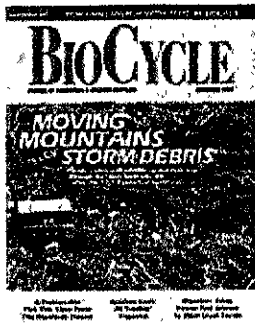
When the cost of the trip will exceed \$1,500, per employee, Council approval is required.

Approved by Common Council on _____ (Date)

White copy - Mayor

Yellow copy - Finance

Gold copy - Department copy



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Compost Science
In Business

BioCycle West Coast Conference 2005

Special Early Bird Registration Offer
Preliminary Program

Overview

Join Us For Three Intensive Days With Leading Professionals in the
COMPOSTING & ORGANICS RECYCLING INDUSTRY

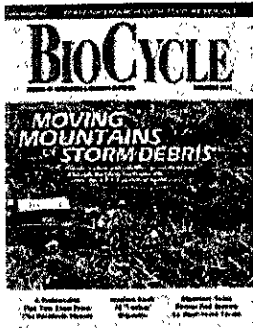
The 21st Annual
BioCycle West Coast Conference 2005
Composting, Organics Recycling & Renewable Energy
Where Principles And Profits Join Forces
March 7, 8, 9, 2005
San Francisco, California
Cathedral Hill Hotel

50 Technical Sessions • Exhibits • Field Trips • Training Workshops

Conference Highlights Include:

- Practical, profitable steps to meet diversion goals
- Strategies for commercial, residential food residuals diversion
- Learn how to grow the composting industry
- Operating organics processing facilities under tight air quality restrictions
- Latest trends in anaerobic digestion to manage manure, food residuals
- How "green power" generators profit in Renewable Energy Certificate marketplace
- Odor management tools that build confidence of local health authorities, site neighbors
- Why compost use on West Coast farms, vineyards reduces water use, replaces pesticides, increases yields
- Tackling tough issues - fertilizer regulations and compost nutrient claims, Sudden Oak Death, mass animal mortalities

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BioCycle West Coast Conference 2005

March 7, 8, 9, 2005
San Francisco, California
Cathedral Hill Hotel

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- Special Early Bird Registration Offer

Other Conferences

- 6th Annual Environmentally Preferable & Recycled Product Trade Show

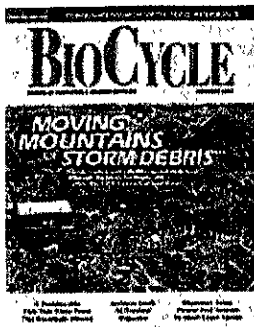
Presentations From The Fourth Annual Renewable Energy From Organics Recycling Conference

November 8, 9, 10, 2004
Des Moines, Iowa
Renaissance Savery Hotel

- Monday, November 8, 2004
- Tuesday, November 9, 2004

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Presentations From The Fourth Annual Renewable Energy From Organics Recycling Conference

Tuesday, November 9, 2004

Monday, November 8, 2004

Please note: Each speaker retains the copyright to their own presentation. Materials (photos, graphics, text, etc.) may not be reproduced without permission from the speaker.

MONDAY MORNING
NOVEMBER 8, 2004

Plenary Session • Savery Ballroom
9:00 AM – 10:15 AM
CLEARING THE PATH TO OPERATIONAL PROJECTS
Moderator: Jerome Goldstein, BioCycle

Best Models Of Biomass-To-Energy Facilities
On-site and centralized examples at privately-owned and public facilities; Technologies now available; Implementing projects.
Philip Lusk, Resource Development Associates

Public Policies That Support Bioproducts And Renewable Energy
New funding initiatives and Renewable Standard Portfolios lead to more biomass facilities; Review of national/state programs.
Carol Werner, Environmental and Energy Study Institute

Roadmap For Biomass-To-Energy Strategies
Analyzing the critical "change agents" in the renewable energy industry; How to accelerate the pace of development.
Fred Kuzel, Great Lakes Biomass State and Regional Partnership

Concurrent Session A • Savery Ballroom
11:00 AM – 12:15 PM
CATALYSTS FOR TRANSITION TO RENEWABLES
Moderator: Jerome Goldstein, BioCycle

Utility Forms Green Alliance To Create/Market Manure Power
Wisconsin power provider works with anaerobic digestion company to install digesters on farms; Operations, economics, and clean water/air.
Neil Kennebeck, Dairyland Power Cooperative

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Role Of Bioproducts And Bioenergy In A Sustainable Future

How biobased materials can help meet future energy demands, reduce dependence on nonrenewable energy and materials without creating new environmental problems.

Robert Anex, Agricultural & Biosystems Engineering, Iowa State University

Launching Bioproducts And Green Fuels At An Incubation Center

How an ecoindustrial park gives commercial push to ethanol production, liquid organic fertilizers, microturbine spinoffs; Fueling a greenhouse on landfill gas for aquaculture and vegetable production; Working with a major truck manufacturer.

Dave Specca, Rutgers EcoComplex

Concurrent Session B • Des Moines Ballroom

11:00 AM - 12:15 PM

UTILIZING AVAILABLE BIOMASS FOR RENEWABLE ENERGY

Moderator: Richard Mattocks, Environomics, Inc.

Landfill Methane Recovery — Potential/Economics/Projects

Quantities to be generated from active landfill gas to electricity projects; Economic benefits, job creation, tax revenues; Emission reductions.

Christopher Voell, U.S. EPA Landfill Methane Outreach Program

Latest Trends In Anaerobic Digestion In North America

Evaluating performance, energy production, reliability, economics; Technology options, operating experiences; Calculating size of anaerobic digestion industry.

Richard Mattocks, Environomics, Inc.

How A Region Serves As A National Model

Bringing government and private sector into partnerships; Setting meaningful policies and financial incentives; Analyzing results and future trends.

Larry Krom, Focus On Energy

Monday Afternoon

NOVEMBER 8, 2004

Concurrent Session A • Savery Ballroom

2:00 PM - 3:45 PM

EUROPEAN EXPERIENCES, ENERGY DEMANDS, MARKET REALITIES

Moderators: Jerome Goldstein, BioCycle and Jun Yoshitani, Bioenergy & Environment, Inc.

Comparing Markets For Anaerobic Digestion Systems In North America And Europe

Attitudes to anaerobic digestion which affect purchase, use of equipment and systems; How European and American markets differ — how they are similar; Changes in the past five years; Forecasts for the future.

Luc De Baere, Organic Waste Systems

4:30 PM - 6:00 PM

AGRICULTURAL RESIDUALS AS ENERGY FEEDSTOCKS

Moderator: Jiong Zhou, Iowa DNR

Squeezing Electrons Out Of Manure

Evaluating alternatives for generating electricity from biogas at the Haubenschild Farm; Feasibility of using fuel cells with digester technology.

Amanda Bilek, The Minnesota Project
Phillip Goodrich, University of Minnesota

Producing Oil From Livestock Manure

Application of continuous thermochemical conversion process; From batch reactor to continuous process; 5,000 barrels of crude oil from 10,000 hogs.

Les Christianson, University of Illinois at Urbana Champaign

Making Ag-Based Industrial Lubricants

Using soybean oil to replace petroleum; Reducing fossil fuel use while avoiding environmental problems associated with volatilization.

Lou Honary, Environmental Lubricants Manufacturing Inc.

Monday Afternoon
NOVEMBER 8, 2004
Concurrent Session B • Des Moines Ballroom

2:00 PM – 3:45 PM
TAPPING INTO REGIONAL RESOURCES
Moderator: Mike Adams, Iowa DNR

Using Available Research Facilities
Resources available at the Tennessee Valley Authority; Energy from bioenergy applications.
Robert Harris, Public Power Institute/TVA

New Industrial Uses For Biobased Products
Latest examples of commercial developments for products that replace petroleum; Role of the Biobased Manufacturers Association.
Bill Holmberg, New Uses Council

Anaerobic Digester Program For Valley Fig Grower
Managing residuals at a Fresno, California fig processing facility; Why the company chose a digester to solve its waste management problems.
Michael Emigh, Valley Fig Growers

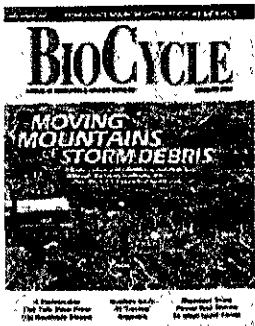
4:30 PM – 6:00 PM
THE ENTREPRENEURIAL ROLE IN CREATING GREEN POWER
Moderator: Jerome Goldstein, BioCycle

Forming Partnerships With Established Companies
Innovative firm with renewable energy technology works with truck manufacturer to refuel garbage collection vehicles at a landfill; One-stop fuel source.
Bill Brown, Acron Technologies

How Cooperatives Are Launching New Green Power Projects
Using entrepreneurial tactics to advance ethanol, specialty farm crops and wind power; What it takes to get projects moving; Case studies.
David Kolsrud, For Farmers, LLC

Recovering Wet Waste For Compost And Energy
Evaluating commercial feasibility for managing food waste; Creating slurry used for compost materials or renewable energy; Building on European experiences.
Linda Ivarson, Ecology LLC

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TUESDAY MORNING
NOVEMBER 9, 2004
Concurrent Session A • Savery Ballroom

8:30 AM – 10:15 AM
NEW METHODS/MARKETS USING WOOD FOR RENEWABLE POWER
Moderator: Mike Adams, Iowa DNR

Energy Comparisons Using Wood Fuel
Experiences in using wood, natural gas, and other fuel sources; Heat recovery data with green wood and dried wooden pallets; Materials handling methods.
Jeff Koster, Koster Grain, Inc.

Energy Recovery From Waste Wood In A Central City Area
Supplying community power requirements through use of wood residuals; Interactive software programs; Environmental and economic data; Commercial equipment available.
John Madole, J. Christopher Madole Associates

Converting An Incinerator Facility Into A Biomass Power Plant
Financing and operating a 20 megawatt heat/power plant that will use clean wood waste from urban forest and industrial generators; Updated technologies/materials handling methods.
Michael Krause, Green Institute

11:00 AM – 12:15 PM
UPGRADING ANAEROBIC DIGESTION SYSTEM PERFORMANCE
Moderator: Fred Kuzel, Great Lakes Biomass State & Regional Partnership

Improving Status Of On-Farm Digester Systems In The Midwest
Systems and performance of digesters; Numbers, types, modifications; Review of owner experiences.
Joe Kramer, Resource Strategies, Inc.

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What The Future Looks Like In Farm-Scale Digestion

Case studies of digesters designed for dairy operations in California; Descriptions of technologies; Lessons learned.

Doug Williams, Williams Engineering Associates

TUESDAY MORNING

NOVEMBER 9, 2004

Concurrent Session B • Des Moines Ballroom

8:30 AM – 10:15 AM

SUSTAINABLE AND ORGANIC AGRICULTURE – THE ENERGY CONNECTION

Moderator: Bill Blum, Iowa DNR

Compost In Low-Energy Agriculture

How sales of certified organic crops offset any additional costs; Compost as critical component of soil fertility techniques in organic horticulture operations in Iowa.

Kathleen Delate, Department of Agronomy & Horticulture, Iowa State University

Energy Crops Fueled With Biosolids

Connecting municipal wastewater solids with fertilization of canola as an energy crop; Production of biodiesel; Additional benefits of biosolids recycling in sustainable agriculture systems.

Ted Durfey, Emerald Ranches/Natural Selection Farms

Impact Of An Organics Recycling Site On A Region's Economic Future

Evaluation study answers critical questions for dealing with dairy, cheese and meatpacking wastes; Protecting jobs and soil/air/water.

Brad Holtz, Green Bay (WI) Land Conservation District

Dan Busch, Green Bay Metropolitan Sewerage District

11:00 AM – 12:15 PM

THE POWERFUL ROLE OF COMPOST

Moderator: Jerome Goldstein, BioCycle

Compost Alternatives To Petroleum-Based Products

Research demonstrates effectiveness of compost in erosion and sediment control and storm water management — making it a potential replacement product for petroleum-based silt fence; Relevance to compost use as an alternative to petrochemical products.

Tom Glanville, Agricultural & Biosystems Engineering, Iowa State University

Compost, Soil Organic Matter — And Carbon Sequestration

Quantifying carbon sequestration in soils amended with compost, biosolids and other organic amendments; Comparing carbon balance and energy recovery of organics recycling management technologies versus landfilling.

Jim McNelly, Renewable Carbon Management, LLC

TUESDAY AFTERNOON

NOVEMBER 9, 2004

Plenary Session • Savery Ballroom

2:00 PM – 4:30 PM

ENERGY INDEPENDENCE VIA BIOMASS

Moderator: Jerome Goldstein, BioCycle

Research Focus On Organics Reuse And Renewable Energy

Hydrogen, biopolymers, and other value-added products from thermochemical treatment of by-product streams.

Robert Brown, Center for Sustainable Environmental Technologies, Iowa State University

Contemporary And Prospective Development Of Biogas Renewable Energy In California

Overview of the California Energy Commission's PIER Renewable program on biogas power and heat generation from dairy manure, sewage wastewater sludge, and food processing wastewater.

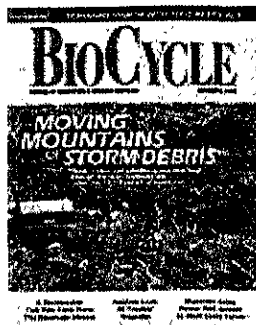
Zhiqin Zhang, California Energy Commission

The Making Of A Revolution – Opportunities For Energy Generation

Types of feedstocks; Fuel uses and markets; Process alternatives – anaerobic digestion, gasification ... and more; Key issues in decision-making process; New perspectives on national security.

George Savage, CalRecovery, Inc.

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BioCycle West Coast Conference 2005

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Preliminary Program

Special Early Bird Registration Offer

Save \$70 Off Full Registration Fee of \$395

YES, please register me (us) for the BioCyclic West Coast Conference 2005. The EARLY BIRD registration fee of \$325 per person includes attendance at all conference sessions to be held at the Cathedral Hill Hotel on March 7 and 8, and the one day of site tours on March 9.

Reserve your hotel room at the Cathedral Hill Hotel today. Request the special BioCycle Conference Rate of \$108 single/double per night. Call 415-776-8200

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