



2 0 0 9 W I S C O N S I N

Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

March 25 - 28, 2009 – Milwaukee

2009 SUMMIT THEME:

*Green Business –
Unlimited Economic Opportunity*

Early Registration Fees have been Extended through the end of Summit!

Please register as soon as possible, some sessions are filling rapidly.

We already have over 1250 registrations!



2009 WISCONSIN

Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

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**Public Television will record some
Summit sessions to air in the fall**

2009 MAJOR PROGRAM THEMES:

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SPECIAL EVENTS

| | |
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| 70 | Wisconsin Technical College Presidents Panel |
| 72 | Workshops, Short Courses and Other Training Opportunities |



2009 Summit Schedule of Events

TUESDAY, MARCH 24, 2009

3:00pm to 7:00p.m. Load in exhibits, registration, signs, other materials at Midwest Airlines Center (MAC)
501 W. Wells Street, Milwaukee - at Sliding Glass Doors

DAY ONE – WEDNESDAY, MARCH 25, 2009

7:00am to 10:00am Additional exhibit load-in and set up in Ballroom CD

7:30am to 5:30pm Registration Open in Ballroom AB Foyer – MAC

8:30am to 11:00am **PLENARY SESSION A (Ballroom AB)**

Host: Michael Sargent, Vice President and CFO, Milwaukee Area Technical College

Plenary Chair: Bob Gilbertson, Wisconsin Technical College System Foundation

Plenary Co-Chair: Mike Kuehnl, Milwaukee Area Technical College

Introduction: Vicki Martin, Interim President, Milwaukee Area Technical College

Welcome: Tom Barrett, Mayor, City of Milwaukee

Keynote: Don Wichert, Director, Focus on Energy, Renewable Energy Program
“Focus on Energy Renewable Energy Program: 1000 Points of Empowerment”

Keynote: Dorothy Bowers, American Society for Quality
“Social Responsibility & International Standards Organization”

Keynote: Patricia Arredondo, Associate Vice Chancellor-Academic Affairs, UW-Milwaukee
“Green Jobs”

Introduction: Lauren Baker, Chair, Board of Directors, Milwaukee Area Technical College

Keynote: Jim Doyle, Governor, State of Wisconsin (confirmed)

Introduction: Michael Lovell, Dean of Engineering and Biomedical Science, UW-Milwaukee

Keynote: Anthony Cugini, Deputy Director DOE, National Energy Technologies Lab

11:00am to 12noon **BREAK AND EXHIBITS OPEN (Ballroom CD)** **POSTER SESSIONS (Exhibit Hall)**

12noon to 1:15pm **PLENARY SESSION B – Planet in Transition (Ballroom AB)**

Host: David Turner, Dean, Technology and Applied Science, Milwaukee Area Technical College

Plenary Chair: George Stone, Physical Science Department, Milwaukee Area Technical College

Keynote: James Hansen, Director, NASA, Goddard Institute for Space Studies
“Climate Threat to the Planet: Implications for Energy Policy and Intergenerational Justice”

Speaker Prep: Room 101C is available for speaker preparation/practice/review of material

Media: Room 101D is available for press use/interviews/etc.

DAY ONE – WEDNESDAY, MARCH 25, 2009

7:30am to 5:30pm

Registration Open in Ballroom AB Foyer – MAC

1:15pm to 1:30pm BREAK / EXHIBITS (Ballroom CD)

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|--|---|--|--|---|
| I BREAKOUT SESSIONS 1:30pm to 3:15pm | Bio Industry Energy SESSION 1-1 ROOM 102AB State of the Bio Industry, Policy Drivers and Funding Opportunities <i>J.Morby; D. Jenkins</i> | Business: Green Technologies and Practices SESSION 2-1 ROOM 102C Sustainable Business Practices <i>J. Jacobsen</i> Turning Supply Chain Green <i>B. Gorman</i> Save Energy in Manufacturing w/o Compromising Quality <i>P. Schoessow</i> | Climate Change: Principal Driver of the Energy Revolution SESSION 3-1 ROOM 101A Overview: Crisis in the Cryosphere <i>G. Stone</i> W. Antarctic Ice Sheet <i>R. Powell</i> Wisconsin Initiative on Climate Change Impacts (WICCI) <i>J. Magnuson</i> Acting on Inevitable Climate Change: Mitigation & Adaption <i>M.Chandler</i> | Curriculum Programs and Course Design SESSION 4-1 ROOM 102DE CERET's Renewable Energy Technology Certificate <i>B. Anderegg; K. Walz</i> Infusing Sustainability at NWTCA <i>A. Kox</i> Solar Power Your School <i>C. Bircher; S. Liddicoat</i> |
| | Energy Efficiency SESSION 5-1 ROOM 103AB Environmental Makeover for Existing Buildings <i>D. Laube; E. Wall;</i> Individual Energy Customer Forecasting <i>S. Vitullo</i> GasDay Project At Marquette <i>R.Brown;</i> | Energy Management SESSION 7-1 ROOM 103C Developing a Path to Sustainability <i>J. Roepsch; S. Sudhakar; M. Sargent; T. Sonnleitner</i> | Focus on Energy Program SESSION 9-1 ROOM 201A Wisconsin's Booming Solar Electric Market <i>B. Schutten; N. Wolter</i> | Green Career Pathways SESSION 10-1 ROOM 203C FOE Site Assessment Coupon Program and MREA Site Assessor Certification Program <i>Z. Scharf</i> |
| | Greening Practices for Colleges SESSION 11-1 ROOM 201B MATC - Innovation as Tool for Success <i>M. Sargent</i> The Green Office <i>R. Alexander</i> | Green Transportation SESSION: 12-1 ROOM 202AB Everyday Options for Everyone (Walking, bicycling, eco-driving, mass transit) <i>F. Vogel; C. Weeth; K. Schmiechen; K. Hardman; K. Thomas</i> | Solar Electric Energy SESSION 14-1 ROOM 202C Market demand for Solar Electric Systems <i>N. Wolter</i> Solar Electric 101 <i>C. Sterling</i> | Solar Thermal Energy SESSION 15-1 (ONE) ROOM 202DE State of Wisconsin in "Solar Hot Water" <i>C. Rezabek</i> |
| | Geo Thermal Energy SESSION 15-1 (TWO) ROOM 203AB All about GeoExchange <i>T Niesen</i> | Sustainable Practices SESSION: 16-1 ROOM 201CD A Comparative Analysis of Alternative Fuel <i>M. Pease</i> Fusion Free Ground Loop <i>W. Bieganeck</i> | Water Technology SESSION: 18-1 ROOM 101B The Water–Energy Nexus <i>F. Hoffmann</i> | Wind Energy SESSION 19-1 ROOM 103DE Technical presentations on Wind Energy <i>David Yu, Chair</i> <i>R. Amano; Y. Li; J. Seem; A. Nasiri; D. Outcalt;</i> |

Visit Exhibits in Ballroom CD Wednesday through Friday

DAY ONE – WEDNESDAY, MARCH 25, 2009

7:30am to 5:30pm

Registration Open in Ballroom AB Foyer – MAC

3:15pm to 3:45pm **BREAK, BAR OPEN / EXHIBITS (Ballroom CD)**

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| <p>II BREAKOUT SESSIONS 3:45pm to 5:30pm</p> | <p>Bio Industry Energy</p> <p>SESSION 1-2 ROOM 102AB</p> <p>Bio Industry - Building and Maintaining Green Collar Workforce <i>P. DeRossi</i> <i>T. Hayden</i> <i>H. Sawall</i></p> | <p>Business: Green Technologies and Practices</p> <p>SESSION 2-2 ROOM 102C</p> <p>ECK: Required Standard for Lean Enterprise? <i>A. Dalal</i> Products as Nutrients <i>M. Clarke-Yapi, J. Cook</i> Convergence of Business and Conservation <i>D. Collins</i></p> | <p>Curriculum Programs and Course Design</p> <p>SESSION 4-2 ROOM 102DE</p> <p>RE for Developing World <i>K. Walz</i> Engagement Strengthening: Globally Collaborative Competitive & Green Workforce <i>R. Franco</i> Climate Change Intelligence for All <i>M. Chandler</i></p> | <p>Energy Efficiency</p> <p>SESSION 5-2 ROOM 103AB</p> <p>Energy Efficient Buildings <i>J. Belot</i> <i>K. Williams</i> <i>F. Kreiss</i> <i>C. McQueen</i></p> |
| | <p>Energy Management</p> <p>SESSION 7-2 ROOM 103C</p> <p>How Lifestyle Choices Affect Sustainability <i>J. Carpenter; T. Wilinski</i></p> <p>Kilowatt Ours <i>J. Barrie</i></p> | <p>Focus on Energy Program</p> <p>SESSION 9-2 ROOM 201A</p> <p>Small Wind <i>B. Collins;</i> <i>R. Hasselman;</i> <i>A. Taivalkoski;</i> <i>K. Ross</i></p> | <p>Greening Practices for Colleges</p> <p>SESSION 11-2 ROOM 201B</p> <p>Diversions, Retention & Reuse of Rain Water <i>M. Marek</i></p> | <p>Green Transportation</p> <p>SESSION: 12-2 ROOM 202AB</p> <p>Clean Fuels: Silver Buckshot to Reduce Oil Dependence <i>F. Vogel; C. Damm;</i> <i>B. Hulsey; T. Hartmann;</i> <i>J. Bach</i></p> |
| | <p>Solar Electric Energy</p> <p>SESSION 14-2 ROOM 202C</p> <p>Solar Electric 101 (continued) <i>C. Sterling</i></p> <p>Photovoltaic System Installation <i>W. Novash</i></p> | <p>Geothermal Energy</p> <p>SESSION 15-2 (ONE) ROOM 202DE</p> <p>Heatpump Design/Application <i>D. Bergmann</i></p> <p>Heat Recovery <i>M. Platt</i></p> | <p>Geothermal Energy</p> <p>SESSION 15-2 (TWO) ROOM 203AB</p> <p>Geothermal Heat Pumps 101: The Renewable Bridge <i>L. Udee</i></p> | <p>Sustainable Practices</p> <p>SESSION: 16-2 ROOM 201CD</p> <p>Mainstreaming Sustainability: What Leaders of Top 75 Organizations Say <i>G. Evans</i></p> |
| | <p>Water Technology</p> <p>SESSION: 18-2 ROOM 101B</p> <p>Lake Michigan Offshore Reefs: Turbines & Trout <i>J. Jansen</i></p> <p>Wastewater & Alternative Energy <i>L. Lundberg</i></p> | <p>Wind Energy</p> <p>SESSION 19-2 ROOM 103DE</p> <p>Wind Program at Lakeshore Technical College/Students in the Wind Program <i>D. Lindsey; J. Heinzen;</i> <i>LTC students</i></p> | | |
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Watch for Poster Sessions presented in Exhibit Hall Wednesday through Friday (see page 13)

DAY TWO – THURSDAY, MARCH 26, 2009

7:30am to 6:00pm Registration Open in Ballroom AB Foyer – MAC

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| 8:00am to 8:10am | WELCOME & ANNOUNCEMENTS (Ballroom AB) Bob Gilbertson, Wisconsin Technical College System Foundation |
| 8:10am to 9:50am | PLENARY SESSION C (Ballroom AB) Role of Local Governments in Moving Towards Energy Independence with Renewable Energy Introduction: Judy Mouton, Renewable Energy Education Manager, Johnson Controls, Inc. Plenary Chair: Don Albinger, VP of Renewable Energy Solutions, Johnson Controls Keynote: Don Albinger, VP of Renewable Energy Solutions, Johnson Controls “Sustainability through Energy Efficiency and Renewable Energy” Keynote: Larry Nelson, Mayor, City of Waukesha “Goals, City Specific Projects” Keynote: Jeanne Hoffman, City of Madison “City of Madison Building a Green Capital City” Keynote: Kathleen Falk/David Merritt, Dane County “Goals, County Specific projects” Keynote: Anne Beier, City of Milwaukee “Goals, City Specific projects” |
| 9:50am to 10:15am | BREAK AND EXHIBITS OPEN (Ballroom CD) |
| 10:00am to 11:45am | Energy Independent Communities Highlights (Room 203C) Brian Driscoll, Office of Energy Independence William Dowell, Director Facility and Park Management, Brown County Larry MacDonald, Mayor, City of Bayfield Timm Johnson, School District President, Village of Osceola, Polk County Marty R. Anderson, City of Marshfield, Wood County Steve Sobiek, City of Columbus, Columbia County Sandy Decker, Mayor, City of Evansville, Rock County Dave Berner, City Manager, City of Platteville & City of Lancaster, Grant County Speaker, City of Oconomowoc, Waukesha County Tim Stone, Town Chair, Town of Fairfield, Sauk County Linda Donnelly, Planning Director, Village & Town of Spring Green, Sauk County |

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| III BREAKOUT SESSIONS 10:00am to 11:45am | Bio Industry Energy SESSION 1-3 ROOM 102AB Wisconsin's Leading Role in the Emerging Bioproducts Industry <i>T. Osswald; J. Baldus; C. Sorenson</i> | Business: Green Technologies and Practices SESSION 2-3 ROOM 102C Population, Capacity, Depletion <i>J. Jacobsen</i> Got Lean? Tools for Surviving Economic Crisis <i>A. Dalal</i> Greening Your Business <i>T. Drury</i> | Curriculum Programs and Course Design SESSION 4-3 ROOM 102DE Designing Programs for Diverse Workforce <i>M. Bernhard</i> Educating for Gr. Economy <i>D. Schejbal / J. Skalbeck</i> | Energy Efficiency SESSION 5-3 ROOM 103AB Turning on to Efficiency: What You Need to Know About Lighting <i>A. Vogen Horn; L. Whitney-Schulte</i> |
| | Focus on Energy Program SESSION 9-3 ROOM 201A Biogas Digestion <i>L. Krom; J. Kramer; D. Nemke</i> | Greening Practices for Colleges SESSION 11-3 ROOM 201B How to Afford Sustainable Activities <i>M. Sargent</i> Sustainability - Illusionary or Reality <i>TBD</i> | Green Transportation SESSION: 12-3 ROOM 202AB Charge Your Engines: (Chevy Volt; Battery; NEVs; Heavy-Duty Hybrids;) <i>F. Vogel; C. Damm; R. Gunther; M. Teliska; M. Stockhauser; C. Tautges</i> | Solar Electric Energy SESSION 14-3 ROOM 202C Solar PV @WCTC <i>R. Walter; D. Kanaly; M. Shields</i> Could new financing bring solar to all? <i>C. Gruba</i> |
| | Solar Thermal Energy SESSION 15-3 ROOM 202DE Case for Aggressive Case for Solar Hot Water Program / Site Evaluation <i>M. Vickerman</i> | Sustainable Practices SESSION: 16-3 ROOM 201CD Creating Sustainable Communities & Energy Independence Through Renewable Energy <i>L. Schaal; E. Zinthefer</i> | Utility Issues SESSION 17-3 ROOM 203DE Environmental Stewardship <i>E. Kostecki</i> MGE Customers Shape Renewable Actions <i>L. Williams</i> Renewable in Utility Business Practices <i>P. Keily</i> | Water Technology SESSION: 18-3 ROOM 101B Aquaculture in 21st Century and beyond <i>B. Shepherd</i> |
| | Wind Energy SESSION 19-3 ROOM 103DE Community Wind <i>W. Slaymaker; J. Gumtow; M. Hutter</i> | WEEC - Wisconsin Energy Education Consortium ROOM 101D Meeting to discuss formation <i>N. Hylla</i> | | |
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DAY TWO – THURSDAY, MARCH 26, 2009

7:30am to 6:00pm

Registration Open in Ballroom AB Foyer – MAC

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|--------------------|---|
| 11:45am to 12:30pm | BREAK / EXHIBITS / NETWORKING / POSTERS SESSION II (Ballroom Foyer and various locations) |
| 12:30pm to 1:45pm | <p>PLENARY SESSION D – PRESIDENT’S PANEL (Ballroom AB)</p> <p>Host: Shondra Graves, Chair, Summit Student Marketing Committee, Waukesha County Technical College</p> <p>Introduction: Dan Clancy, President, Wisconsin Technical College System</p> <p>Plenary Chair: Michael Lanser, President, Lakeshore Technical College</p> <p>Panel: Bryan Albrecht, President, Gateway Technical College Bettsey Barhorst, President, Madison Area Technical College John Clark, President, Mid-State Technical College Vicki Martin, Interim President, Milwaukee Area Technical College</p> |
| 1:45pm to 2:00pm | BREAK / EXHIBITS (Ballroom CD) |
| 2:00pm to 3:00 pm | WTCS Renewable Energy Deans and Coordinators Workgroup (101D) |

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| <p>IV BREAKOUT SESSIONS 2:00pm to 3:45pm</p> | <p>Bio Industry Energy SESSION 1-4 ROOM 102AB</p> <p>Biomass to Fuels, Chemicals and Power Generation <i>B. Hulse; J. Binkley; P. Porter; M. Blanchard</i></p> | <p>Business: Green Technologies and Practices SESSION 2-4 ROOM 102C</p> <p>Fault Prognostics, Diagnostics and Mitigation in Electric Drive/ Generation Systems <i>E. Yaz; N. Demerdash; G. Sizov</i> Kettle Foods - A Unique Green Manufacturing Facility <i>E. Skorpinski</i></p> | <p>Curriculum Programs and Course Design SESSION 4-4 ROOM 102DE</p> <p>UWGB Environmental Management & Bus Institute <i>J. Stoll / J. Katers</i> Creating Systems for Student Leadership & Engagement <i>C. Hintz</i></p> | <p>Energy Efficiency SESSION 5-4 ROOM 103AB</p> <p>Energy Efficiency: The Benefits Keep Adding Up <i>W. Komorowski; D. Larson; J. Knutson</i></p> |
| | <p>Energy Independent Communities SESSION 6-4 ROOM 101A</p> <p>EI Communities Quarterly Meeting <i>G. Becker and EIC Leaders</i></p> | <p>Energy Management SESSION 7-4 ROOM 103C</p> <p>Sustainability Assessment and Implementation <i>K. Kukec</i> Implementing a Green Cleaning Program <i>N. Duffy</i></p> | <p>Focus on Energy Program SESSION 9-4 (ONE) ROOM 201A</p> <p>Renewable Energy Marketing & Market Provider Training <i>K. Lang E. Hickey</i></p> | <p>Focus on Energy Program SESSION 9-4 (TWO) ROOM 201CD</p> <p>Biomass Combustion <i>D. Wichert; T. Stebor; P. Porter; J. Rabl</i></p> |
| | <p>Greening Practices for Colleges SESSION 11-4 ROOM 201B</p> <p>Sustainable Contracting <i>J. Roepsch</i> Meeting Carbon Footprint Challenge <i>T. Sonleitner</i></p> | <p>Green Transportation SESSION: 12-4 ROOM 202AB</p> <p>Vehicle Education Programs <i>K. Walz; UW Hybrid Vehicle reps; MSOE student reps</i></p> | <p>Solar Electric Energy SESSION 14-4 ROOM 202C</p> <p>Financing PV Systems <i>J. Coughlin</i></p> | <p>Solar Thermal Energy SESSION 15-4 ROOM 202DE</p> <p>Solar Hot Water Market Strategies <i>K. Heinrich; B. Ramlow</i> Solar District Heating/Long Term Thermal Storage <i>B. Nusz</i></p> |
| | <p>Sustainable Practices SESSION: 16-4 ROOM 201CD</p> <p>Phytoremediation: Real Green Plants Co-tasked for Pollution Control, Energy Conservation, and Renewable Fuels <i>L. Licht</i></p> | <p>Utility Issues SESSION 17-4 ROOM 203DE</p> <p>National Renewable Energy Standard <i>M. Raab</i> Utility Perspective: Re-Energy, Regulations <i>K. Shumway</i> Carbon Regulation Compliance <i>D. Donovan</i></p> | <p>Water Technology SESSION: 18-4 ROOM 101B</p> <p>Using Microorganisms to Improve Anaerobic Digestion <i>A. Schauer-Gimenez</i></p> | |

DAY TWO – THURSDAY, MARCH 26, 2009

7:30am to 6:00pm

Registration Open in Ballroom AB Foyer – MAC

3:45pm to 4:15pm

BREAK, BAR OPEN / EXHIBITS (Ballroom CD)

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BREAKOUT SESSIONS
4:30pm to 6:15pm

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| Bio Industry Energy SESSION 1-5 ROOM 102AB Sustainability & Opportunities for Biofuels, Bioproducts & Biopower <i>T. Hartmann; T. Sonnleitner; S. Sletten</i> | Business: Green Technologies and Practices SESSION 2-5 ROOM 102C On Social Responsibility <i>M. Mason</i> Interior Designers and Green Projects <i>P. Steffen</i> | Curriculum Programs and Course Design SESSION 4-5 ROOM 102DE Educating our Future Thought Leaders <i>MJ Salzburg</i> Renewable Energy in K-12 Curriculum <i>J. Besharse</i> | Energy Efficiency SESSION 5-5 ROOM 103AB Seeing the Savings: Energy Efficiency Success Stories <i>M. Guilfoyle; C. Nuernberg; N. Doll</i> |
| Energy Independent Communities SESSION 6-5 ROOM 101A Energy Independent Communities – Federal & State Resources <i>Multiple EIC speakers</i> | Energy Management SESSION 7-5 ROOM 103C Clean, Lean & Green <i>J. DeLaune</i> Saving Cost/Energy by Applying Lean & Green <i>M. Hablewitz</i> | Focus on Energy Program SESSION 9-5 ROOM 201A Education and Training <i>J. Lane; I. Kelley; T. Parker; S. Gruder</i> | Greening Practices for Colleges SESSION 11-5 ROOM 201B Sustainability at UW-Milwaukee: Process vs Practices <i>K. Nelson</i> |
| Legal Issues SESSION 13-5 ROOM 203C Energy Enhancements in Federal Stimulus Pkg. <i>A. Harrington</i> Protect Intellectual Property when Applying for Fed Grants <i>Brian Bean</i> | Solar Electric Energy SESSION 14-5 ROOM 202C Ultracapacitors for Off-Grid Solar Energy Applications <i>K. Leonard</i> Solar Site Evaluation <i>R. Reykdal</i> | Solar Thermal & Geothermal SESSION 15-5 ROOM 202DE Creating Successful Solar Business <i>B. Guiney</i> Teaching Re Energy in Tech College System <i>B. Nusz</i> | Sustainable Practices SESSION: 16-5 ROOM 201CD Milwaukee's Solar American Cities Program <i>J. Coughlin A. Luecke</i> |
| Wind Energy SESSION 19-5 ROOM 103DE Large Wind <i>P. Keily; B Bub; M. Noah; A. Hesselbach; J. Anthony</i> | | | |

6:30pm

EXHIBITS CLOSE

6:30pm to 9:30pm

PLENARY SESSION E – SUMMIT BANQUET (Ballroom AB)

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| Host: | John Stilp, Vice President, Oak Creek Campus, Milwaukee Area Technical College |
| Emcee: | George Stone, Summit Co-Chair, Milwaukee Area Technical College |
| Welcome: | Vicki Martin, Interim President, Milwaukee Area Technical College |
| Awards: | Bob Gilbertson, Summit Chair, WTSC Foundation “Summit Awards/Recognitions” |
| Keynote: | Joe Jacobsen, Milwaukee Area Technical College “WisTEC” |
| Keynote: | Mike Potts, Executive Vice President, Orion Energy Systems |
| Keynote: | Jose Delgado, President and CEO, American Transmission Company |
| Keynote: | Paul Borawski, Executive Director, American Society for Quality “Social Responsibility” |
| Keynote: | Richard A. Meeusen, CEO, Badger Meter |
| Keynote: | Brian Keane, President, SmartPower |
| Keynote: | James McLaren, President, Strathkirk Inc. “Bio Based Economy” |
| Keynote: | Arjun Makhijani, Director, Institute for Energy and Environmental Research “Carbon Free and Nuclear Free – America’s Plan for Energy” |

DAY THREE – FRIDAY, MARCH 27, 2009

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|----------------------|---|
| 7:30am to 1:30pm | Summit Registration Open in Ballroom AB Foyer |
| 8:00am to 9:30am | <p>PLENARY SESSION F – Perspectives on the Stimulus Package – State & City Officials (Ballroom AB)</p> <p>Host: Fred Royal, Board Member, Milwaukee Area Technical College</p> <p>Plenary Chair: Art Harrington, Partner and Environmental Lead, Godfrey and Kahn</p> <p>Moderator: Mike Gousha, Marquette University Law School <i>“Panel and Topic Introduction”</i></p> <p>Panelist: Alan Fish, Wisconsin Office of Recovery and Reinvestment (Invited)</p> <p>Panelist: Tom Barrett, Mayor, City of Milwaukee</p> <p>Panelist: Eric Callisto, Chairman, State of Wisconsin, Public Service Commission</p> <p>Panelist: Dick Leinenkugel, Secretary, Wisconsin Dept. of Commerce (invited)</p> <p>Panelist: Willie Hines, Chair, Milwaukee Common Council</p> <p>Panel discussion</p> <p>Audience Q&A</p> |
| 9:15am to 10:00am | KEEP K-12 Teacher Class (Room 101C) |
| 9:30am to 11:30am | Milwaukee Area Workforce Investment Board: Milw. Public Schools Green Career Session (Room 101A) |
| 9:00am | EXHIBITS OPEN / CLOSE AT 2:30 (Ballroom CD) |
| 9:35am to 10:00am | BREAK / EXHIBITS (Ballroom CD) |
| 10:00am to -10:20am | <p>Introduction: Michael Rosen, President, American Federation of Teachers Local 212</p> <p>Keynote: Congresswoman Gwendolynne Moore</p> |
| 10:20am to 11:50am | <p>PLENARY SESSION G – Perspectives on the Stimulus Package – Gains for Wisconsin and for Alternative Energy</p> <p>Host: Michael Townsend, Vice President, Mequon Campus, Milwaukee Area Technical College</p> <p>Plenary Chair: Art Harrington, Partner and Environmental Lead, Godfrey and Kahn</p> <p>Moderator: Mike Gousha, Marquette University Law School <i>“Panel and Topic Introduction”</i></p> <p>Panelist: Judy Ziewacz, Director, WI Office of Energy Independence (invited)</p> <p>Panelist: Sammis White, UW-Milwaukee, Director, Center for Workforce Development</p> <p>Panelist: Charles Higley, Executive Director, Citizens Utility Board</p> <p>Panelist: Don Wichert, Director, Focus on Energy, Renewable Energy Program</p> <p>Panel Discussion</p> <p>Audience Q & A</p> |
| 11:50am to 12:30noon | BREAK / EXHIBITS (Ballroom CD) |
| 12:30pm to 2:30pm | Milwaukee Area Workforce Investment Board: Milw. Public Schools Green Career Session (Room 101A) |
| 1:30pm to 2:30pm | KEEP Roundtable Discussion: Connecting High School Technology Education Instructors & Technical College Instructors: Exploring opportunities to increase Renewable Energy & Energy Efficiency Education (Room 202AB) |

For complete information on the 2009 Summit visit renewableenergysummit.org

DAY THREE – FRIDAY, MARCH 27, 2009

7:30am to 1:30pm Summit Registration Open in Ballroom AB Foyer

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|-------------------|---|
| 12:00pm to 2:20pm | <p>PLENARY SESSION H – Perspectives on the Stimulus Package – The Role of the Private Sector in Energy Projects (Ballroom AB)</p> <p>Host: Pablo Cardona, Vice President, West Allis campus, Milwaukee Area Technical College</p> <p>Plenary Chair: Art Harrington, Partner and Environmental Lead, Godfrey and Kahn</p> <p>Moderator: Thomas Content, Energy Reporter, Milwaukee Journal-Sentinel</p> <p>Panelist: John Greindanus, Senior Administrator, The Boldt Company</p> <p>Panelist: Jeffrey Crawford, Attorney General, Forest County Potawatomi Community</p> <p>Panelist: Joel Rogers, Executive Directory of COWS, Professor, UW-Madison</p> <p>Panelist: Carlos Santiago, Chancellor, UW-Milwaukee</p> <p>Panelist: Bruno Biasiotta, VP & General Manager Solutions, North America, Johnson Controls, Inc.</p> <p>Panel Discussion</p> <p>Audience Q & A</p> |
| 1:00pm to 2:00pm | <p>Introductions: Carlos Santiago, Chancellor, UW- Milwaukee Dan Clancy, President, Wisconsin Technical College System</p> <p>Keynote: Congressman David Obey (confirmed)</p> |

VI BREAKOUT SESSIONS 2:30pm to 4:15pm

| Curriculum Programs and Course Design SESSION 4-6 ROOM 102C | Energy Efficiency SESSION 5-6 ROOM 103AB | Energy Management SESSION 7-6 ROOM 103C | Focus on Energy Program SESSION 9-6 ROOM 201A |
|---|---|--|--|
| Putting Renewable Energy Into the Curriculum – Multi presentations <i>D. Stinnett and MATC faculty</i> | A Saving Profession: Careers in Energy Efficiency <i>M. Guilfoyle; D. Ciepluch; J. Wasley</i> | Speeding Renewable Energy Development in We Energies Service Territory <i>C. Lindholm; W. Gaskill</i> | Growing Wisconsin Renewable Energy Businesses <i>N. Wolter; M. Daugherty; M. Vickerman; T. Petith</i> |
| Greening Practices for Colleges SESSION 11-6 ROOM 201B | Solar Thermal & Geothermal SESSION 15-6 ROOM 202DE/203AB | Sustainable Practices SESSION: 16-6 ROOM 201CD | |
| Natural Lawn Care for the Campus <i>D. Smith</i> VermiComposting with Worms <i>M. Sargent</i> | Commercial/Institutional Solar Water Heating Systems 202DE <i>C. Tarr</i> Commercial Geothermal Heat Pump Systems 203AB <i>M. McDevitt</i> | Gateway Technical College's Sustainable Efforts <i>L. Hobbs; M. Zlevor</i> | |

4:15pm All sessions end / Summit ends

DAY FOUR – SATURDAY, MARCH 28, 2009 – MREA WORKSHOPS

7:30am to 1:15pm Registration – ECAM Lobby

8:00am to Noon Green Workplace Auditor

9:00am to 5:00pm Basic Photovoltaics

9:00am to 5:00pm Introduction to Wind Systems

9:00am to 5:00pm Solar Domestic Hot Water systems

Noon to 1:00pm Lunch

All Saturday functions are held at: MATC Oak Creek Campus, ECAM Center, 6665 S. Howell Avenue, Oak Creek

For more information, or to register for a Workshop visit www.the-mrea.org



Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

Green Business – Unlimited Economic Opportunity

Mar. 25 - 28, 2009
Milwaukee

Contact or Questions:
Bob Gilbertson, Chair
2009 Renewable Energy Summit
rgilbertson@wtcsf.com

renewableenergysummit.org

WRES History and Background

The Wisconsin Renewable Energy Summit (WRES) was initiated by the Wisconsin Technical College System in the spring of 2004. The 16 colleges foreshadowed their increasing interest and involvement in renewables, green practices and sustainables, as well as energy efficiency education by presenting the Summit. The Summit has expanded its original offerings to reflect the increasing national interest in reducing our dependence on fossil fuels.

The history of the Summit includes the following pattern of consistent growth:

| Location | Host College | Attendees |
|--------------------------|----------------------------------|-----------|
| 2004 in Cleveland | Lakeshore Technical College | 85 |
| 2005 in Milwaukee | Milwaukee Area Technical College | 120 |
| 2006 in Wisconsin Rapids | Mid-State Technical College | 200 |
| 2007 in Milwaukee | Milwaukee Area Technical College | 400 |
| 2008 in Milwaukee | Milwaukee Area Technical College | 1250 |
| 2009 in Milwaukee | Milwaukee Area Technical College | |

The 2008 Wisconsin Renewable Energy Summit included over 1200 attendees, 60 exhibitors, 40 sponsoring organizations, 114 breakout speakers and many prominent national speakers. The three day event was successful by every measure. The Summit, titled “*Green Jobs – Growing Wisconsin’s Economy*,” focused on the role that renewable energy, such as wind power, solar energy, geothermal, green buildings and bio-energy technologies will play in supporting Wisconsin’s economic well being. Growth of renewable energy businesses will create new “green collar” jobs in Wisconsin. Those jobs include: manufacturers, installers, consultants, engineers, and associated professions. Renewable energy in Wisconsin has the potential to produce 35,000 jobs in the next 10 years.

The 2009 Summit includes expanded offerings: traditional renewables, bio-industry, water resources, carbon capture and sequestration, green transportation, energy efficiency, sustainable technologies and quality practices, green career pathways, workshops and training short courses, and greening practices for colleges.

Sponsoring organizations provide funding to assist in the planning and development of the Summit. These organizations also provide funding so that all students: k-12, workforce development students, technical college students, and university students from throughout the midwest attend for free. Logon to renewableenergysummit.org for more information.



2009 WISCONSIN

Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

Green Business – Unlimited Economic Opportunity

The “silver lining” of the nation’s current financial crisis is really a “green lining.” More and more businesses are making the historic transition from fossil fuels to renewable resources and energy efficiency, thereby reaping greater productivity and lower costs. This historic shift creates ever-brighter prospects for workforce, manufacturing and technological development in the future green economy, and for innovative energy management and use.

The sixth annual Wisconsin Renewable Energy Summit (WRES) will showcase this and other new opportunities to turn green into gold on March 25 – 28, 2009 at the Midwest Airlines Center in Milwaukee. This year’s theme, *Green Business – Unlimited Economic Opportunity*, highlights how the growth of renewable energy, energy efficiency and sustainability will generate new economic opportunities in Wisconsin. The 35,000-plus new positions predicted for the next decade will include manufacturers, installers, consultants, engineers and all associated and supporting professions.

The four-day 2009 Summit will attract more than 2000 attendees from business, industry and education for exhibits, plenary and breakout sessions and workshops. Fifteen program themes highlight bio industry energy; business technologies and practices; curriculum programs and course design; energy efficiency, energy management and renewable, sustainable and green practices; energy policy, legal issues, drivers of the energy revolution, and opportunities for funding; green career pathways; green manufacturing; greening practices for colleges; green transportation; solar electric energy; solar thermal and geothermal energy; utility issues; water technologies; and wind energy.

The Summit’s opening day, Wednesday March 25, will feature a rousing welcome session followed by the opening of exhibits, a special speakers’ luncheon, plenary sessions focusing on greening businesses and sustainability. Day two, Thursday March 26, will provide plenary and breakout sessions for the conference’s program themes, a special speakers’ luncheon, ongoing exhibits, and the Summit banquet. The emphasis on day three, Friday March 27, shifts to green careers, education and workforce development. Workshops on Saturday, March 28, at Milwaukee Area Technical College’s Energy Conservation and Advanced Manufacturing Center (ECAM) will focus on basic photovoltaic systems, residential wind systems, solar domestic hot water, and green workplace auditing.

The 2009 Wisconsin Renewable Energy Summit will greatly expand the conference’s scope and size. Our tent has enlarged from its beginnings in renewable energy to embrace energy efficiency, water technologies and the many diverse green enterprises that comprise sustainability. Participation by sponsors, exhibitors and attendees is expected to double last year’s numbers. The Summit is truly a visionary event well conceived and well timed for our place in history!

continued next page



2 0 0 9 W I S C O N S I N

Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

Several key recent indicators show why green business offers unlimited economic opportunity for Wisconsin:

- A study prepared by the Renewable Energy Policy Project found that 1,331 companies in Wisconsin could realize 35,133 new jobs, primarily in wind turbine and solar manufacturing. This important study was released in December 2007 by the Blue-Green Action Alliance, a partnership of the Sierra Club, United Steelworkers, and Good Jobs and Livable Neighborhoods. The Apollo Alliance and Urban Habitat co-produced a related 2007 report, *Community Jobs in the Green Economy*. This report outlines how America can move toward energy independence and also create high-skill and high-wage jobs in the new green economy.
- An paper released in October, 2008, by Global Insight for the United States Conference of Mayors notes several economic advantages of the Green Economy, “manifested in job growth, income growth, and of course, a cleaner environment.” *Current and Potential Green Jobs in the U.S. Economy* examines current and projected green jobs by metropolitan area, estimating that Madison, for example, could experience explosive growth. The capital city’s 3,016 current green jobs could be joined by some 23,681 new green jobs by 2038.
- Governor Jim Doyle announced \$7.3 million in clean energy grants and loans from the Wisconsin Energy Independence fund on September 25, leveraging up to \$44.2 million in additional investments and creating new jobs. State government continues to make progress on implementing Wisconsin’s Energy Efficiency and Renewables Act of 2006, which requires 10 percent of the electricity sold in Wisconsin to be from renewable energy resources by 2015. Governor Doyle’s related “25 by 25” goal aims for Wisconsin to derive 25 percent of its power and transportation fuels from renewable sources by 2025. This is the centerpiece of a detailed Declaration of Energy Independence.
- National venture capital investment in renewable energy shattered previous records for the third quarter of 2008, according to Greentech Media. With solar as the dominant sector, this record-breaking investment pace is projected to continue through 2009.
- Now is the time to gain fresh and invaluable insights on how companies and organizations can benefit from the current renaissance in Wisconsin’s renewable energy marketplace. Plan to participate in the 2009 Wisconsin Renewable Energy Summit! Additional information for the Summit, including presenter application, is available at www.renewableenergysummit.org. For more information on sponsorship or exhibitor opportunities, please contact Bob Gilbertson at rgilbertson@wtcsf.com.



Renewable Energy Summit

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2009 Renewable Energy Summit
rgilbertson@wtcsf.com

renewableenergysummit.org

2009 WRES Schedule

Held in Milwaukee at Midwest Airlines Center, and at Milwaukee Area Technical College's Energy Conservation and Advanced Manufacturing (ECAM) facility in Oak Creek.

Wednesday, March 25 — 9:00 a.m. to 5:30 p.m.

Plenary sessions at Midwest Airline Center

Emphasis on greening businesses and sustainability

Who should attend:

Architects, engineers, building owners, energy managers, mechanical contractors, renewable energy installers, facility managers, designers, contractors, remodelers, school officials, chief financial officers, operations and maintenance personnel, utility representatives, property managers, college and university students, and anyone interested in reducing energy use in their building or facility.

Thursday, March 26 — 8 a.m. – 6:15 p.m.

Plenary and breakout sessions at Midwest Airlines Center

Emphasis on greening businesses and sustainability

Banquet: 6:30 p.m. to 9:30 p.m. at Midwest Airlines Center

Who should attend:

Architects, engineers, building owners, energy managers, mechanical contractors, renewable energy installers, facility managers, designers, contractors, remodelers, school officials, chief financial officers, operations and maintenance personnel, utility representatives, property managers, college and university students, and anyone interested in reducing energy use in their building or facility.

Continued next page



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Friday, March 27 — 8 a.m. – 3:30 p.m.

HIGHLIGHT:

Economic Stimulus Forums

Moderated by Mike Gousha

Who should attend:

All stakeholders in national and state economies in: state, regional, county, and municipal leadership including board members, policy makers, budget staff, planners, contractors, architects, technical leads, and those in transportation infrastructure and bio industry.

Plenary and breakout sessions at Midwest Airline Center
Green careers, education, workforce development

Who should attend:

Economic development staff, human resource staff, educators, school officials, college and university students, job seekers, union representatives.

Saturday, March 28 — see page 72 for times

MREA Workshops

Location: MATC Oak Creek Campus

6665 S. Howell Avenue, Oak Creek

(see map at renewableenergysummit.org)

Who should attend:

Anyone and everyone with an interest in renewable energy, homeowners, business owners, renters, and the general public.

registration at:

http://www.the-mrea.org/course_workshops.php





2009 WISCONSIN

Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

Registration Fees

| | Early Registration (before 3/15/09) | Registration after 3/15/09 including at the door |
|-------------------------|--|---|
| 3 Full Day Registration | \$235 | \$300 |
| 1 Full Day Registration | \$135 | \$150 |
| Students* | FREE | \$15 |
| Speakers** | FREE (on day you speak) | FREE (on day you speak) |

* Students need to preregister online for free admittance, and will need to show student ID at check-in.

** Speakers are admitted free **on the day of their presentation only**.

Educator scholarships may be available.
Contact Bob Gilbertson at rgilbertson@wtcsf.com.

Cancellation and refunds:
Your fee will be refunded if canceled before March 1, 2009.
A cancellation fee of \$50 will be applied after March 1, 2009.

**Early Registration Fees have been
Extended through the end of Summit!**
Please register as soon as possible,
some sessions are filling rapidly.
We already have over 1250 registrations!



2009 WISCONSIN

Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

Summit Participation Levels At-A-Glance

| | Welcoming Remarks | Special Recognition | Exhibit Booth | Registrations | Marketing | |
|--------------------------------------|-------------------|---------------------|-----------------------------------|---------------|-----------|--|
| Green Champion (\$25,000) | Yes | Yes | Premium 10 x 40 | 15 | Yes | |
| Summit Partners (\$15,000) | No | Yes | Premium 10 x 40 | 10 | Yes | |
| Sustaining Sponsor (\$10,000) | No | Yes | Large 10 x 20 | 5 | Yes | |
| Sponsor (\$5,000) | No | Yes | Standard 10 x 10 | 5 | Yes | |
| Advocate (\$2,500) | No | Yes | Standard 10 x 10 | 3 | Yes | |
| Supporter (\$1,500) | No | Yes | Standard 10 x 10 | 2 | Yes | |
| Associate (\$750) | No | Yes | Standard 10 x 10 (Add'l \$495) | 1 | Yes | |

Event Sponsorships

| | Welcoming Remarks | Special Recognition | Exhibit Booth | Registrations | Marketing | |
|---|-------------------|---------------------|------------------|---------------|-----------|--|
| Banquet (\$15,000) SOLD | No | Yes | Premium 10 x 40 | 10 | Yes | |
| Luncheon: Wed./Thurs./ Fri./Sat. (\$10,000) | No | Yes | Large 10 x 20 | 5 | Yes | |
| Breakfast: Wed./Thurs./ Friday (\$2500) | No | Yes | Standard 10 x 10 | 3 | Yes | |
| A.M./P.M. Break: Wed./Thurs./ Fri./Sat. (\$2500) | No | Yes | Standard 10 x 10 | 3 | Yes | |

SUMMIT PARTICIPATION LEVELS

Prospective sponsors may consider serving as a general sponsor, individual event sponsor or both. General sponsors that also opt to sponsor individual events will receive the combined benefits associated with each category. For example, a Summit Partner that also sponsors a luncheon is eligible to receive one Premium and one Large exhibit booth (or one super-premium 10 x 60 exhibit space), 15 registrations, and the marketing and recognition benefits included with each category.



Green Champion (\$25,000)

- **Welcoming Remarks:** Select opportunity to offer welcoming remarks at Opening Plenary Session on Wednesday, March 25.
- **Special Recognition:** Announcement as the Green Champion at all Summit sessions.
- **Premium Exhibit Area:** One prominently-located premium exhibit area (up to 10 by 40)
- **Registrations:** Fifteen (15) full-length registrations, including reserved table at the Summit Banquet.
- **Marketing:** Organization name and logo prominently-included on all Summit materials, and hyperlink on Summit website. Premiere signage during scheduled events at the Midwest Airlines Center.

Green Champions, Summit Partners, Sustaining Sponsors and Sponsors help defray Summit registration costs for K-12, technical college, and university level students and faculty. Prospective sponsors are asked to consider making a separate contribution over and above their sponsorship fee, which would solely support Summit student participation.



Summit Partners (\$15,000)

- **Special Recognition:** Announcement as a Summit Partner at all Summit sessions.
- **Premium Exhibit Area:** One prominently-located premium exhibit area (up to 10 by 40)
- **Registrations:** Ten (10) full-length registrations, including reserved table at the Summit Banquet on Thursday, March 26.
- **Marketing:** Organization name and logo prominently-included on all Summit materials, and hyperlink on Summit website. Premiere signage during scheduled events at the Midwest Airlines Center.

Green Champions, Summit Partners, Sustaining Sponsors and Sponsors help defray Summit registration costs for K-12, technical college, and university level students and faculty. Prospective sponsors are asked to consider making a separate contribution over and above their sponsorship fee, which would solely support Summit student participation.

SUMMIT PARTICIPATION LEVELS



Sustaining Sponsor

Sustaining Sponsor (\$10,000)

- **Special Recognition:** Announcement as a Sustaining Sponsor at all Summit sessions.
- **Large Exhibit Area:** One large exhibit area (up to 10 by 20).
- **Registrations:** Five (5) full-length registrations, including the Summit Banquet.
- **Marketing:** Organization name and logo included on all Summit materials, and hyperlink on Summit website. Signage during scheduled events at the Midwest Airlines Center and the MATC ECAM Center.

Green Champions, Summit Partners, Sustaining Sponsors and Sponsors help defray Summit registration costs for K-12, technical college, and university level students and faculty. Prospective sponsors are asked to consider making a separate contribution over and above their sponsorship fee, which would solely support Summit student participation.



Sponsor

Sponsor (\$5,000)

- **Special Recognition:** Announcement as a Sponsor at all Summit sessions.
- **Exhibit Hall Display Booth:** One standard booth (10 by 10).
- **Registrations:** Five (5) full-length registrations, including the Summit Banquet.
- **Marketing:** Organization name and logo included on all Summit materials. Signage during scheduled events at the Midwest Airlines Center.

Green Champions, Summit Partners, Sustaining Sponsors and Sponsors help defray Summit registration costs for K-12, technical college, and university level students and faculty. Prospective sponsors are asked to consider making a separate contribution over and above their sponsorship fee, which would solely support Summit student participation.



Advocate

Advocate (\$2,500)

- **Special Recognition:** Announcement as an Advocate at all Summit sessions.
- **Exhibit Hall Display Booth:** One standard booth (10 by 10).
- **Registrations:** Three (3) full-length registrations, including the Summit Banquet.
- **Marketing:** Organization name and logo included on all Summit materials. Signage during scheduled events at the Midwest Airlines Center.



Supporter

Supporter (\$1,500)

- **Special Recognition:** Announcement as a Supporter at all Summit sessions.
- **Exhibit Hall Display Booth:** One standard booth (10 by 10).
- **Registrations:** Two (2) full-length registrations, including the Summit Banquet.
- **Marketing:** Organization name included on all Summit materials. Signage during scheduled events at the Midwest Airlines Center.



Associate (\$750)

- **Special Recognition:** Announcement as an Associate at all Summit sessions.
- **Registrations:** One (1) full-length registration, including the Summit Banquet.
- **Exhibit Hall Display Booth** (available for an additional \$495): One standard booth (10 by 10).
- **Marketing:** Organization name included on all Summit materials. Signage during scheduled events at the Midwest Airlines Center.

SUMMIT EVENT SPONSORSHIPS

The stand-alone event sponsorships described below are available on a first-come, first-served basis.

Special recognition and marketing benefits for each event correspond with those listed in the same-priced levels in the general sponsorship categories.

- **Thursday Awards Banquet (\$15,000):**
Exclusive sponsorship of the Summit Awards Banquet on Thursday, March 26. Premium exhibit space (10 by 40). Ten (10) registrations and fifteen (15) invitations to the VGP Reception.
- **Friday Luncheon (\$10,000):**
Exclusive sponsorship of the Summit Luncheon on Friday, March 27. The focus for the day is green careers, education and workforce development. Large exhibit space (10 by 20). Five (5) registrations and ten (10) invitations to the VGP Reception.
- **Wednesday Luncheon (\$10,000):**
Exclusive sponsorship of the Summit Luncheon on Wednesday, March 25. The focus for the day is green businesses. Large exhibit space (10 by 20). Five (5) registrations and ten (10) invitations to the VGP Reception.
- **Thursday Luncheon (\$10,000):**
Exclusive sponsorship of the Summit Luncheon on Thursday, March 26. The focus for the day is green businesses. Large exhibit space (10 by 20). Five (5) registrations and ten (10) invitations to the VGP Reception.
- **Saturday Luncheon (\$10,000):** Exclusive sponsorship of the Summit Community Day Luncheon on Saturday, March 28. The focus is on businesses, nonprofit organizations, consumers and homeowners. Large exhibit space (10 by 20). Five (5) registrations and ten (10) invitations to the VGP Reception.

The additional exclusive opportunities listed below each offer one standard exhibit space (10 by 10), three (3) registrations and three (3) invitations to the VGP Reception:

- **Wednesday, Thursday, Friday or Saturday Continental Breakfast (\$2,500)**
- **Wednesday, Thursday, Friday or Saturday Morning Refreshment Break (\$2,500)**
- **Wednesday, Thursday, Friday or Saturday Afternoon Refreshment Break (\$2,500)**

Payments:

Complete the separate Exhibitor/Sponsor Application for inclusion with the appropriate payment (and any additional contribution, if applicable).

Sponsorship payment should be made to the Wisconsin Renewable Energy Summit 2009 and mailed to:
WI Renewable Energy Summit
WTCS Foundation
One Foundation Circle
Waunakee, WI 53597-8914

Questions:

For any questions or comments on sponsorship opportunities please contact:

Francis X. Vogel
Sponsorship Committee Chair
(414) 221-4958
francis.vogel@we-energies.com.



2009 Summit Sponsors

Green Champions



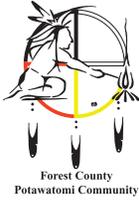
Summit Partners





2009 Summit Sponsors

Sustaining Sponsor



Sponsor





2009 Summit Sponsors

Advocate



Wisconsin Campus Compact

Supporter



Associate





2009 WISCONSIN

Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

Green Business –
Unlimited Eco-
nomic Opportunity

MARCH 25 – 28, 2009

Midwest Airlines Center
Milwaukee, WI

EXECUTIVE COMMITTEE

Bob Gilbertson
Committee Chair
Wisconsin Technical College
System Foundation
George Stone
Committee Co-Chair
Milwaukee Area Technical College

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Investment Board

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Wisconsin Clean Cities

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Technical College

Robert Watters
American Society for Quality

GREEN CHAMPIONS

Focus on Energy
Johnson Controls

Milwaukee Area
Technical College
Summit Host

University of Wisconsin
Milwaukee

Wisconsin Technical
College System Foundation

Dear Company/Organization/School Representative,

The 2009 Wisconsin Renewable Energy Summit will be held March 25-27 at the Midwest Airlines Center in Milwaukee, Wisconsin. Our 2009 theme is Green Business – Unlimited Economic Opportunity. This letter invites you and your organization to join us as an exhibitor at the Summit. Attached are two documents: A summary of who and what the Summit will address in its programming and an Exhibitor Registration Form.

The Summit agenda comprises many parts, addressing the many topics relative to Renewable Energy. We expect to attract between 1,500 and 2,000 attendees from Wisconsin and adjacent states, including representatives of businesses, government, and education, including faculty from Wisconsin colleges and universities, and students from state colleges and area high schools. The schedule will provide refreshment breaks in the Exhibit Hall as well as periods when the exhibits are the featured activity.

We want to encourage you to learn more about the Summit and its sponsoring organizations, so please visit the Summit Web Site at www.renewableenergysummit.org.

Our theme “Green Business – Unlimited Economic Opportunity” has many facets, set in plenary sessions, panel discussions, and breakout workshops throughout the 3 days of the Summit. Recently developed is a series of panels on Friday, March 27 to discuss the Economic Stimulus package, its implementation and opportunities for renewable energy.

Also on Friday is our Green Career Pathways, when we encourage you to place a human resources or recruitment person in your booth, to meet and talk with secondary school students. We hope you will discuss the opportunities you have to educate or employ students for jobs in the future green economy.

Please see the enclosed Exhibitor Registration form for details on registering your organization for the Summit. The form will be used to reserve your exhibit booth. We will confirm your organizations reservation, and provide a code that will allow your (paid) exhibit staff to register individually online. We look forward to having you there, and appreciate how much you will add to our timely and dynamic event. Please contact us if you have questions.

Sincerely,

Ed Blume, RENEW Wisconsin, eblume@renewwisconsin.org
Bill Quirnbach, Milwaukee Area Technical College, quirnbaw@matc.edu
Exhibit Co-Chairs

One Foundation Circle, Waunakee, WI 53597

E-mail: rgilbertson@wtcsf.com / Web: renewableenergysummit.org



Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency, Social Responsibility, and Green Energy Practices

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rgilbertson@wtcsf.com

renewableenergysummit.org

Major Program Themes

Bio Industry Energy

See page 37 for details.

Business: Green Technologies and Practices

see page 39 for details.

Climate Change: Driver of the Energy Revolution

See page 41 for details.

Curriculum Programs and Course Design

See page 42 for details.

Energy Efficiency

See page 44 for details.

Energy Independent Communities

See page 46 for details.

Energy Management and Renewable/Sustainable/Green Practices

See page 48 for details.

Energy Stimulus

See page 50 for details.

Focus on Energy Renewable Energy Program

See page 52 for details.

Green Career Pathways

See page 54 for details.

Greening Practices for Colleges

See page 56 for details.

Green Transportation

See page 58 for details.

Legal Issues

See page 60 for details.

Solar Electric Energy

See page 61 for details.

Solar Thermal and Geothermal Energy

See page 62 for details.

Sustainable Practices

See page 64 for details.

Utility Issues

See page 66 for details.

Water Technology

See page 67 for details.

Wind Energy

See page 68 for details.

Special Events

Wisconsin Technical College Presidents Panel

See page 70 for details.

Workshops, Short Courses and Other Training Opportunities

See page 72 for details.



Renewable Energy Summit

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Social Responsibility, and Green Energy Practices

Green Business – Unlimited Economic Opportunity

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rgilbertson@wtcsf.com

renewableenergysummit.org

2009 Summit Stakeholders

American Society for Quality

City of Milwaukee

Focus On Energy

Fox Valley Technical College

Gateway Technical College

Johnson Controls, Inc.

Lakeshore Technical College

Madison Area Technical College

Mid-State Technical College

Midwest Airlines Center

Milwaukee Area Technical College
Host Institution

Milwaukee Area Technical College
Energy Conservation and
Advanced Manufacturing Center

Milwaukee Area Workforce
Investment Board, Inc.

Milwaukee Public Schools

Moraine Park Technical College

Midwest Renewable Energy
Association

Milwaukee School of Engineering

Nicolet Area Technical College

Northcentral Technical College

Northeast Wisconsin
Technical College

Physicians for Social Responsibility

RENEW Wisconsin

Smart Power

University of Wisconsin–Milwaukee

University of Wisconsin–Milwaukee
School of Continuing Education

Waukesha County Technical College

Wisconsin Clean Cities

Wisconsin Indianhead
Technical College

Wisconsin Office of Energy
Independence

Wisconsin Technical Colleges

Wisconsin Technical College
System Foundation

Wisconsin Technical College
System Office

We Energies

Others to be announced



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Continued next page

* Executive Committee Members



Renewable Energy Summit

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Milwaukee

Contact or Questions:
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2009 Renewable Energy Summit
rgilbertson@wtcsf.com

renewableenergysummit.org

2009 Summit Planning Committee

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Focus on Energy

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Continued next page

* Executive Committee Members



Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

Green Business – Unlimited Economic Opportunity

Mar. 25 - 28, 2009
Milwaukee

Contact or Questions:
Bob Gilbertson, Chair
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renewableenergysummit.org

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Others to be announced

* Executive Committee Members



Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
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Green Business – Unlimited Economic Opportunity

Mar. 25 - 28, 2009
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Contact or Questions:
Bob Gilbertson, Chair
2009 Renewable Energy Summit
rgilbertson@wtcsf.com

renewableenergysummit.org

2009 Summit Committees

Executive Committee

Bob Gilbertson, Committee Chair
*Wisconsin Technical College
System Foundation*

George Stone, Committee Co-Chair
Milwaukee Area Technical College

Senator Herbert Kohl
Honorary Co-Chair

Patricia Arredondo
*UW-Milwaukee School of
Continuing Education*

Ann Beier, *City of Milwaukee*

Bruce Bessert, *Concordia University*

Arthur J. Harrington
Attorney at Law, Godfrey & Kahn

Joe Jacobsen
Milwaukee Area Technical College

Pat Keily
We Energies

Judy Mouton
Johnson Controls, Inc.

Bill Quirnbach
Milwaukee Area Technical College

Maria Redmond
Office of Energy Independence

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University of Wisconsin Milwaukee

Joe Stolzman
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Investment Board*

Francis Vogel
Wisconsin Clean Cities

Ray Walter
Waukesha County Technical College

Robert Watters
American Society for Quality

Sponsor Committee

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System Foundation*

Joe Jacobsen, Committee Co-Chair
Milwaukee Area Technical College

Mike Kuehnl, Committee Co-Chair
*Milwaukee Area Technical College
Office of Corporate Learning*

George Stone, Committee Co-Chair
Milwaukee Area Technical College

Francis Vogel, Committee Co-Chair
Wisconsin Clean Cities

Plenary/Keynote Presenter Committee

Colin Scanes, Committee Co-Chair
University of Wisconsin Milwaukee

George Stone, Committee Co-Chair
Milwaukee Area Technical College

Exhibit Committee

Ed Blume, Committee Co-Chair
RENEW Wisconsin

Bill Quirnbach, Committee Co-Chair
Milwaukee Area Technical College

Logistics Committee

Bill Quirnbach, Committee Chair
Milwaukee Area Technical College

Continued next page



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Contact or Questions:
Bob Gilbertson, Chair
2009 Renewable Energy Summit
rgilbertson@wtcsf.com

renewableenergysummit.org

2009 Summit Committees

Program Committee

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Waukesha County Technical College

Amy Kox
Northeast Wisconsin Technical College

Chris Damm
Milwaukee School of Engineering

Judy Mouton
Johnson Controls, Inc.

Rahim Setoodeh
Milwaukee Area Technical College

Don Wichert
Focus on Energy

Workshops Committee

Joe Jacobsen, Committee Co-Chair
Milwaukee Area Technical College

Tehri Parker, Committee Co-Chair
MREA

Marketing Committee

Brenda Vento, Committee Chair
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Kathleen Hohl
Milwaukee Area Technical College

Kelly Lang
Focus on Energy

Judy Mouton
Johnson Controls, Inc.

Student Marketing Committee

Shondra Graves, Committee Chair
Waukesha County Technical College

Sean McFeeley, Committee Co-Chair
Waukesha County Technical College

Lori Holfeltz
Milwaukee Area Technical College student

Dianne Klabunde
Milwaukee Area Technical College student

Katherine McCann
Milwaukee Area Technical College student

Joseph Stefan
Waukesha County Technical College student

Jesse Strojinc
Lakeshore Technical College student

Rachel Weyers
Milwaukee Area Technical College student

Patrick Zacha
Lakeshore Technical College student

Registration Committee

Caryn Dohring
Milwaukee Area Technical College

Tracy Krall
Milwaukee Area Technical College

Poster Committee

Patricia Arredondo, Committee Chair
*UW-Milwaukee School of
Continuing Education*

Dr. Gwat Lie
*UW-Milwaukee School of
Continuing Education*

WRES SPONSOR EXHIBIT REGISTRATION 2009

All corporate and institutional sponsors of the 2009 Wisconsin Renewable Energy Summit who plan to exhibit at the Summit must complete and send in this form. Booth space will be assigned and Exhibitor will be confirmed by March 18, 2009. Space will be assigned by Sponsor Level, submission date, and consideration of Friday participation.

EXHIBITING COMPANY/ORGANIZATION/SCHOOL INFORMATION

List your company name and contact information as you would like it to appear in any promotions.

Company name: _____

Contact name and title: _____

Will this person attend the Summit? Yes No. If not, who will be the on-site contact during the Summit?

Name: _____

Address: _____

City/State: _____ Zip: _____

Telephone: _____ Fax: _____

E-mail: _____ Website: _____

Description of products or services provided by your company: _____

SPONSOR LEVEL INFORMATION

Sponsorship Amount \$ _____ Sponsor Level: _____

EXHIBIT RENTAL SPACE

- We want to reserve # _____ booth spaces derived from our sponsorship.
- We want to purchase # _____ additional adjacent 10'x10' spaces @ \$270 each, total \$ _____
- We want to purchase # _____ additional Exhibit Staff registrations @ \$225 each, total \$ _____

Additional Staff name: _____ Email _____

Additional Staff name: _____ Email _____

Please give name of your HR/Recruitment person if the person plans to attend on March 27. They may attend and staff booth at no charge.

Name: _____ Email _____

Sponsors need make no payment if you are only using space and number of registrations allotted to you under terms of sponsorship. If purchasing additional space or registrations, you may pay by Credit Card

PAYING BY CREDIT CARD:

American Express, VISA or Mastercard only

Credit Card # _____ Exp. Date _____ / _____

Date requested and/or submitted _____

PAYING BY CHECK:

Mail completed registration form and a check made out to WRES 2009 to:

MATC – Wisconsin Renewable Energy Summit;
William P. Quirnbach, Office of College Events,
Milwaukee Area Technical College
700 W. State Street, Milwaukee, WI 53233-1443

If not purchasing additional space, you may fax or email to:

fax: 414-297-8586

email: quirnbaw@matc.edu

Booth space will not be assigned until receipt of a payment for sponsorship, plus additional payments as needed for additional space and registrations.

CONTACT:

If you have questions about exhibiting contact Ed Blume at (608) 819-0748 or by email at eblume@renewwisconsin.org.

LODGING

For lodging, other information, and link to on-line registration, go to Summit web site: www.renewableenergysummit.org.

On behalf of the Wisconsin Renewable Energy Summit, Wisconsin Expo, Inc. will be our sole exhibit decoration vendor. They will send all registered Exhibitors a complete exhibit kit, including forms for ordering additional furnishings, electricity, information technology, storage services, or other support. They may be reached at 262-670-1300, wexpo@aol.com

WRES EXHIBITOR REGISTRATION 2009

EXHIBITING COMPANY/ORGANIZATION/SCHOOL INFORMATION

List your company name and contact information as you would like it to appear in any promotions. Please print neatly. WRES will reserve your company exhibit space from the information on this form. You will be sent a confirmation with a code to register your staff on-line as pre-paid individuals.

Company name: _____

Contact name and title: _____

Will this person attend the Summit? Yes No. If not, who will be the on-site contact during the Summit?

Name: _____

Address: _____

City/State: _____ Zip: _____

Telephone: _____ Fax: _____

E-mail: _____ Website: _____

Description of products or services provided by your company: _____

EXHIBIT RENTAL SPACE

Exhibit fee includes one 10' x 10' exhibit space and one adult registration to the Summit for the dates indicated below.

I want to purchase one exhibit booth at the 2009 Wisconsin Renewable Energy Summit. \$ _____

The exhibit fee is \$495.00.

Please give name of your HR/Recruitment person if the person plans to attend on March 27. They may attend and staff booth at no charge.

Name: _____ Email _____

I want to purchase # _____ additional adjacent 10'x10' spaces @ \$270 each, total \$ _____

I want to purchase # _____ additional Exhibit Staff registrations @ \$225 each, total \$ _____

Additional Staff name: _____ Email _____

Additional Staff name: _____ Email _____

We'll confirm your organization's reservation, and provide a code that will allow your (paid) exhibit staff to register individually online.

Please send me additional information about sponsorship opportunities **TOTAL** \$ _____

PAYING BY CREDIT CARD:

American Express, VISA and Mastercard only

Credit Card # _____ Exp. Date _____ / _____

Date requested and/or submitted _____

Fax to: 414-297-8586 or email: quirmbaw@matc.edu

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2009 WISCONSIN

Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

MARCH 25 - 28, 2009 – MILWAUKEE

Go to renewableenergysummit.org for more information

2009 SUMMIT PRESENTER APPLICATION

Please return to: Ray J. Walter at rwalter@wctc.edu
or mail to Ray J. Walter, Ph.D., Waukesha County Technical College, 800 Main Street, Pewaukee, WI 53072

Presenter Contact Information

Presenter's Name _____ Title _____

Organization _____

Phone _____ Fax _____

Mobile Phone _____ Email _____

Mailing Address _____

City _____ State _____ Zip _____

Summit Program Themes

My presentation best fits in the following Summit Program Themes (go to renewableenergysummit.org for more details on themes):

- | | |
|--|--|
| <input type="checkbox"/> Bio Industry Energy | <input type="checkbox"/> Green Transportation |
| <input type="checkbox"/> Business Technologies and Practices | <input type="checkbox"/> Legal Issues |
| <input type="checkbox"/> Curriculum Programs and Course Design' | <input type="checkbox"/> Solar Electric Energy |
| <input type="checkbox"/> Energy Efficiency | <input type="checkbox"/> Solar Thermal and Geothermal Energy |
| <input type="checkbox"/> Energy Independent Communities | <input type="checkbox"/> Sustainable Practices |
| <input type="checkbox"/> Energy Management and Renewable/Sustainable/Green Practices | <input type="checkbox"/> Utility Issues |
| <input type="checkbox"/> Energy Stimulus | <input type="checkbox"/> Water Technology |
| <input type="checkbox"/> Focus on Energy Renewable Energy Program | <input type="checkbox"/> Wind Energy |
| <input type="checkbox"/> Green Career Pathways | |
| <input type="checkbox"/> Greening Practices for Colleges | |

Suggested Presentation Title: _____

Desired Length: 30 minutes 1 hour 1.5 hours

Dates Available: March 25 March 26 March 27 March 28

Co-Presenter with _____

Panel Discussion with _____

Important Speaker Information

The 2009 Wisconsin Renewable Energy Summit (WRES) will provide projectors, screens and PC laptops for Plenary and Break-out sessions. Presenters who have Mac-based presentations are advised to convert to PC beforehand or bring their own Mac. WRES assumes that presentations will be digital only (PowerPoint); audio must be arranged by the program committee in advance. WRES does not provide copying services, so hand-out material should be prepared in advance.

Speakers must register for the WRES and bring a flash drive that includes their presentation.

Please see www.renewableenergysummit.org for more information on:

- Exhibiting at the 2009 WRES
- Marketing and sponsorship opportunities at the 2009 WRES
- Attending 2009 WRES
- Advertising in 2009 WRES

Please send this information to WRES:

Presentation Abstract:

(200 words or less that will be used in the conference program and on the website to tell attendees succinctly, persuasively, and accurately what to expect from this session.)

Presentation Plan:

(A brief overview, 100 words or less, of proposed activities, visual aids, and handouts.)

Summary of Presenter's Biography and Experience in Conducting Presentations:

(A brief summary, 100 words or less, of presenter's biography and experiences in conducting recent workshops and/or presentations at regional or national conferences.)

I authorize WRES to place my biography, abstract and presentation materials on their website and in promotional materials.

Please return this completed Presenter Application to Ray J. Walter at rwalter@wctc.edu ASAP. Thank you.



2009 WISCONSIN

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MARCH 25 - 28, 2009 – MILWAUKEE

Go to renewableenergysummit.org for more information

2009 SUMMIT PRESENTER SUMMARY by PROGRAM THEME

Program Theme Name _____ Today's Date _____

Program Theme Coordinator Name(s) _____

| No. | Presenter's Name(s) | Presentation Title | Completed Application Received | Date Completed Application Forwarded to Ray Walter | Desired Length | | | Dates Available | | | | Comments |
|-----|---------------------|--------------------|--------------------------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|
| | | | | | 30 min | 1 hr | 1.5 hr | 25-Mar | 26-Mar | 27-Mar | 28-Mar | |
| eg. | Jane Doe | Go Green Now | <input type="checkbox"/> | 12/12/08 | <input type="checkbox"/> | Suggest this presenter for Plenary Session and one Breakout Session. |
| 1. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 2. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 3. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 4. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 5. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 6. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 7. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 8. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 9. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 10. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 11. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 12. | | | <input type="checkbox"/> | | <input type="checkbox"/> | |



THEME 1:

Bio Industry Energy

DATE:

WEDNESDAY, MARCH 25, 2009

Breakout Session 1-1:

Time:

Moderator:

Presenters:

State of the Bio Industry, Policy Drivers and Funding Opportunities

1:30pm - 3:15pm

Maria Redmond, WI Office of Energy Independence

The State of Clean Energy, Fuels & Power in Wisconsin

Joshua Morby, Wisconsin Bio Industry Alliance

**Federal Stimulus Funding & State Initiatives –
Budget, & Policies Affecting the Bio industry**

David Jenkins, Wisconsin Office of Reinvestment & Recovery,
& Office of Energy Independence

Breakout Session 1-2:

Time

Moderator:

Presenters:

Bio Industry – Building and Maintaining Green Collar Workforce

3:45pm - 5:30pm

Maria Redmond, WI Office of Energy Independence

Construction, Plan Design & Environmental Compliance Opportunities

Pete DeRossi, Foth Infrastructure & Environment, LLC

Bio-Fuels Create Jobs – The Pipe Trades Perspective

Terry Hayden, Wisconsin Pipe Trades Association &
United Association Local Union 434

Multifaceted Project- Bringing Green Collar Jobs to the Port of Milwaukee

Hardy Sawall, Innovation Fuels Tankco Milwaukee

Bio Industry continues next page

renewableenergysummit.org

THEME COORDINATOR(S):

Maria Redmond
Office of Energy Independence
maria.redmond@Wisconsin.gov

THEME COMMITTEE MEMBERS:

Ken Walz
Madison Area Technical College



DATE:

THURSDAY, MARCH 26, 2009

Breakout Session 1-3:

Time:

Moderator:

Presenters:

Wisconsin’s Leading Role in the Emerging Bioproducts Industry

10:00am - 11:45am

John Baldus, Wisconsin Office of Energy Independence

History of Bioplastic and Today’s applications

Dr. Tim Osswald, University of Wisconsin Madison (invited)

Overview of Wisconsin’s Share in the Bioplastic & Composites Industry

John Baldus, Wisconsin Office of Energy Independence

Wisconsin Manufacturing Takes the Lead

Chad Sorenson, Sologear, LLC

Breakout Session 1-4:

Time:

Presenters:

Biomass to Fuels, Chemicals and Power Generation

2:00pm – 3:45pm

Biomass: The Convenient Solution to Global Warming, Air and Water Pollution, Flooding and Farm Income Loss

Brett Hulsey, Better Environmental Solutions

Green Power Generation: How to Make the Transition to Biomass

Jeff Binkley, Weston Solutions; Randy Young, Weston Solutions

Exploring Biomass Feedstocks & Wisconsin’s Most Viable Options

Pam Porter, P-Squared, LLC

Catalytic Conversion of Plant Sugars to Gasoline, Diesel, Jet Fuel, and Other Hydrocarbons

Mary Blanchard, Virent

Breakout Session 1-5:

Time:

Moderator:

Presenters:

Sustainability & Opportunities for Biofuels, Bioproducts & Biopower

4:30pm - 6:15pm

H. Tony Hartmann, WI Great Lakes Ag Energy

Buy Local; ‘High Impact’ Biofuels

H. Tony Hartmann, WI Great Lakes Ag Energy; John Hackney

A Roadmap to Carbon Neutrality

Tom Sonneleitner, UW-Oshkosh

Biofuels in Aviation – Taking Flight

Steve Sletten, Airport Cooperative Research Program



THEME 2:

Business: Green Technologies and Practices

DATE:

WEDNESDAY, MARCH 25, 2009

Breakout Session 2-1:

Time:

1:30pm - 3:15pm

Presenters:

Sustainable Business Practices

Joseph J. Jacobsen, Milwaukee Area Technical College

Turning the Supply Chain Green

Bob Gorman, HK Systems, Inc.

Save Energy in Manufacturing Without Compromising Product Quality - A Case Study

Paul Schoessow, Hydro-Thermal Corp.

Breakout Session 2-2:

Time:

3:45pm - 5:30pm

Presenters:

Energy Conservation Kaizen (ECK):

A Required Standard for Lean Enterprise?

Adil F. Dalal, Pinnacle Process Solutions

Products as Nutrients: Downcycling is no Longer Enough

Marcia Clarke Yapi & Jacqueline Cook

The Convergence of Business and Conservation

Dan Collins, Elutions Inc, Wisconsin League of Conservation Voters, Wisconsin Technology Council

renewableenergysummit.org

THEME COORDINATOR(S):

Joe Jacobsen

Milwaukee Area Technical College
jacobsjj@matc.edu

Robert Watters

American Society for Quality
RWatters@asq.org



DATE:

THURSDAY, MARCH 26, 2009

Breakout Session 2-3:

Time:

10:00am - 11:45am

Presenters:

Population, Carrying Capacity & Depletion

Joseph J. Jacobsen, Milwaukee Area Technical College

Got Lean? Critical Lean Tools for surviving and thriving in current economic crisis!

Adil F. Dalal, Pinnacle Process Solutions

Greening Your Business: Best Practices in Building a Company Sustainability Team

Tim Drury, Poblocki Sign Company, Wisconsin Green Guilding Alliance

Breakout Session 2-4:

Time:

2:00pm – 3:45pm

Presenters:

Fault Prognostics, Diagnostics and Mitigation in Electric Drive/Generation Systems in Renewables

Nabeel A. O. Demerdash, Marquette University

Gennadi Sizov, Marquette University

Edwin E. Yaz, Marquette University

Kettle Foods - A Unique Green Manufacturing Facility

Ellen Skorpinski, ACS

Breakout Session 2-5:

Time:

4:30pm – 6:15pm

Presenters:

On Social Responsibility

Michelle Mason, ASQ

A Journey: Interior Designers and Green Projects

Pamm Steffen, Mount Mary College with student panel



THEME 3:

Climate Change: Driver of the Energy Revolution

DATE:

WEDNESDAY, MARCH 25, 2009

Breakout Session 3-1:

Time:

1:30pm - 3:15pm

Chair:

George T. Stone, Department of Physical Science,
Milwaukee Area Technical College

Presenters:

Crisis in the Cryosphere: Implications of Planetary Meltdown

George T. Stone, Department of Physical Science,
Milwaukee Area Technical College

**Evidence of Past West Antarctic Ice Sheet Collapses Under
Similar Conditions to Future Warming Scenarios**

Ross Powell, Northern Illinois University

Wisconsin Initiative on Climate Change Impacts (WICCI)

John Magnuson, UW Madison

Acting on Inevitable Climate Change: Mitigation and Adaptation

Mark Chandler, NASA Goddard Institute for Space Studies

renewableenergysummit.org

THEME COORDINATOR(S):

George Stone, Chair

Milwaukee Area Technical College
stoneg@matc.edu



THEME 4:

Curriculum Programs and Course Design

DATE:

WEDNESDAY, MARCH 25, 2009

Breakout Session 4-1:

Time:

Presenters:

1:30pm - 3:15pm

A Model for Collaboration: CERET's Renewable Energy Technology Certificate

Barb Anderegg, Madison Area Technical College
Ken Walz, Madison Area Technical College

Infusing Sustainability at Northeast Wisconsin Technical College

Amy L. Kox, Northeast Wisconsin Technical College

Solar Power Your School with SolarWise

Chip Bircher, Wisconsin Public Service Corp.
Scott Liddicoat, Green Bay Public Schools

Breakout Session 4-2:

Time:

Presenters:

3:45pm - 5:30pm

Renewable Energy for the Developing World

Ken Walz, Madison Area Technical College

Engagement Strengthening: A Globally Collaborative Competitive & Green Workforce

Robert Franco, Kapi'olani (Hawaii) Community College

Curriculum Program continues next page

renewableenergysummit.org

THEME COORDINATOR(S):

Amy Kox, Co-Chair
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George Stone, Co-Chair
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THEME COMMITTEE MEMBERS:

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neering

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Doug Lindsey
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doug.lindsey@gotoLTC.edu

Ron Perez
University of Wisconsin
Milwaukee

David Stinnett
Milwaukee Area Technical
College
stinnetd@matc.edu

Sara Windjue
Wisconsin K-12 Energy
Education Program



THEME 4:

Curriculum Programs and Course Design

DATE:

THURSDAY, MARCH 26, 2009

Breakout Session 4-3

Time:

10:00am - 11:45am

Presenters:

Designing Programs for a Diverse Workforce
Mike Bernhard, Madison Area Technical College
Educating for the Green Economy
David Schejbal, UW-Extension
John Skalbeck, UW-Parkside

Breakout Session 4-4:

Time:

2:00pm – 3:45pm

Presenters:

UWGB Environmental Management and Business Institute
John Stoll / John Katers, UWGB
Beyond Hardware to Human Behavior: Creating Systems for Student Leadership and Engagement
Clare Hintz – Northland College

Breakout Session 4-5:

Time:

4:30pm – 6:15pm

Presenters:

The Academy – Educating our Future Thought Leaders
Mary Jo Salzburg, Johnson Controls
Renewable Energy, Energy Efficiency & Sustainability in K-12 Curriculum
Janie Besharse, K-12 Energy Education Program (KEEP)

DATE:

FRIDAY, MARCH 27, 2009

Breakout Session 4-6

Time:

2:30pm - 4:15pm

Session Moderator:

David Stinnett, Milwaukee Area Technical College

Presenters:

Conserving Energy in Business
Marcia Blackman, & Amen Hadjinian MATC Service Learning
How Much CO₂?
Brenda Wingard-Haynes, Mark Yoeman, Todd La Butte, Kisha Lever
Business/IT Programming Development
Steve Burleson, Milwaukee Area Technical College
T&I/ Power Plant Engineering
Richard Curley, Milwaukee Area Technical College
Business/Visual Communication
Jonathan Meersman, Milwaukee Area Technical College
Electricity from Mud
Veronica Neumann, Milwaukee Area Technical College
Marketing Renewable Energy
Paul Redig, Milwaukee Area Technical College
History
Francisco Urbina, Milwaukee Area Technical College



THEME 5:

Energy Efficiency

Date:

Wednesday, March 25, 2009

Breakout Session 5-1:

Environmental Makeover for Existing Buildings

Time:

1:30pm - 3:15pm

Moderator:

Chris Hackner, Focus on Energy

Presenters:

Energy Efficiency through Maintenance & Operations

Matt Matenaer, Franklin Energy

Retro-Commissioning

Eric Wall, Focus on Energy

Individual Energy Customer Forecasting

Steven Vitullo, Marquette University

The GasDay Project at Marquette University

Ronald H. Brown, Marquette University

Breakout Session 5-2:

Energy Efficient Buildings

Time:

3:45pm - 5:30pm

Beyond ENERGY STAR: Remodeling a 1910 Milwaukee Bungalow

Jeremy Belot, Layton Blvd West Neighbors and

Keith Williams, Building Services & Consultant

Greening of the Inn: An Education Opportunity for Everything Green

Fritz Kreiss & Catherine McQueen, Managing Partners, Green Leaf Inn

Energy Efficiency continues next page

renewableenergysummit.org

THEME COORDINATOR(S):

Kathy Kuntz

Focus On Energy

kkuntz@weccusa.org

THEME COMMITTEE MEMBERS:

David Ciepluch

We Energies

Susan Loomans

Wisconsin Green Building Alliance

Jim Wassley

University of Wisconsin Milwaukee



THEME 5:

Energy Efficiency

Date:

THURSDAY, MARCH 26, 2009

Breakout Session 5-3:

Time:

Presenters:

Turning on to Efficiency: What You Need to Know About Lighting

10:00am - 11:45am

Daylighting: Light every Building using the Sky

Abby Vogen Horn, Energy Center

Lighting the Way with LED

Liesel Whitney-Schulte, Focus on Energy

Breakout Session 5-4:

Time:

Presenters:

Energy Efficiency: The Benefits Keep Adding Up

2:00pm – 3:45pm

The Benefits of Energy Efficiency:

Ward Komorowski, Johnson Controls

How Focus on Energy Helps Wisconsin Businesses Achieve Energy Efficiency

Dave Larson, Focus on Energy

Stop Energy Loss by Reducing Energy Consumption

Jeff Knutson, President, A-A Exteriors

Breakout Session 5-5:

Time:

Presenters:

Seeing the Savings: Energy Efficiency Success Stories

4:30pm-6:30pm

Energy Management Successes in the Commercial Market

Mindy Guilfoyle, Focus on Energy

Pieper Power Education Center Goes Green

Christine Nuernberg, Mayor of Mequon

Norm Doll, UW Madison Instructor and retired from Pieper Electric

Date:

FRIDAY, MARCH 27, 2009

Breakout Session 5-6:

Time:

Presenters:

A Saving Profession: Careers in Energy Efficiency

2:30pm - 4:15pm

Career Opportunities in Energy Efficiency

Mindy Guilfoyle, Focus on Energy

View from the Utility:

Dave Ciepluch, We Energies

Educational Opportunities in Efficiency:

Jim Wasley, UW-Milwaukee



THEME 6:

Energy Independent Communities

Date:

THURSDAY, MARCH 26, 2009

Plenary Session C:

Role of Local Governments in Moving Towards Energy Independence with Renewable Energy

Combined session EIC Theme with Energy Management & Renewable/Sustainable/Green Practices

Time:

8:00am - 9:50am

Speakers:

Introduction, Company Highlights, Involvement with Communities

Don Albinger, Johnson Controls

Goals, City specific projects

Mayor Larry Nelson, City of Waukesha

City of Madison Building a Green Capital City

Jeanne Hoffman, City of Madison

Goals, County Specific projects

Kathleen Falk/David Merritt, Dane County

Goals, City Specific projects

Anne Beier, City of Milwaukee

Energy Independent Communities continues next page

renewableenergysummit.org

THEME COORDINATOR(S):

Maria Redmond
Office of Energy Independence
maria.redmond@Wisconsin.gov

THEME COMMITTEE MEMBERS:



Date:

Breakout Session 6-3:

Time:

Speakers:

THURSDAY, MARCH 26, 2009

Energy Independent Communities Highlights

Combined session of EIC Theme with Energy Management & Renewable/Sustainable/Green Practices session 7-3

10:00am-11:45am

- Brian Driscoll, Office of Energy Independence
- William Dowell, Director Facility and Park Management, Brown County
- Larry MacDonald, Mayor, City of Bayfield
- Timm Johnson, School District President, Village of Osceola, Polk County
- Marty R. Anderson, City of Marshfield, Wood County
- Steve Sobiek, City of Columbus, Columbia County
- Sandy Decker, Mayor, City of Evansville, Rock County
- Dave Berner, City Manager, City of Platteville & City of Lancaster, Grant County
- Speaker, City of Oconomowoc, Waukesha County
- Tim Stone, Town Chair, Town of Fairfield, Sauk County
- Linda Donnelly, Planning Director, Village & Town of Spring Green, Sauk County

Breakout Session 6-4:

Time:

Presenters:

EI Communities Quarterly Meeting

2:00pm-3:45pm

EI Communities Evaluation

Gary Becker, Local Government Institute & Energy Independent Community Leaders

Breakout Session 6-5:

Time:

Presenters:

Energy Independent Communities – Federal & State Resources

4:30pm-6:30pm

- Speaker, WI Office of Reinvestment & Recovery
- Speaker, WI Dept. of Commerce
- Speaker, WI Dept. of Agriculture, Trade and Consumer Protection
- Speaker, WI Dept. of Natural Resources
- Speaker, WI Office of Energy Independence
- Speaker, Focus on Energy



THEME 7:

Energy Management and Renewable/Sustainable/Green Practices

Date:

WEDNESDAY, MARCH 25, 2009

Breakout Session 7-1

Time:

1:30pm - 3:15pm

Presenters:

Developing a Path to Sustainability

Jeff Roepsch, Johnson Controls Inc.

Sam Sudhakar, Carl Sandburg College

Mike Sargent, Milwaukee Area Technical College

Tom Sonneleitner, UW-Oshkosh

Breakout Session 7-2:

Time:

3:45pm - 5:30pm

Presenters:

How Lifestyle Choices Affect Sustainability

Jim Carpenter, Milwaukee Area Technical College

Ted Wilinski

Kilowatt Ours

Jeff Barrie

Date:

THURSDAY, MARCH 26, 2009

Plenary Session C:

Role of Local Governments in Moving Towards Energy Independence with Renewable Energy

Combined session with EIC Theme - see page 46 for more information

Time:

8:00am - 9:50am

Speakers:

see page 46 for more information

Energy Management continues next page

renewableenergysummit.org

THEME COORDINATOR(S):

THEME COMMITTEE MEMBERS:

Judy Mouton

Johnson Controls, Inc.

judith.a.mouton@jci.com



THEME 7:

Energy Management and Renewable/Sustainable/Green Practices

Date:

THURSDAY, MARCH 26, 2009

Breakout Session 7-3:

Energy Independent Communities Highlights

Combined session with EIC Theme 6-3 – see page 47 for more information

Time:

10:00am - 11:45am

Speakers:

see page 47 for more information

Breakout Session 7-4:

Time:

2:00pm - 3:45 pm

Presenters:

Sustainability Assessment and Implementation

Karen Kukec, Johnson Controls

Implementing a Green Cleaning Program

Neal S. Duffy – Field Technical Services Manager Staples, Inc.

Breakout Session 7-5:

Time:

4:30pm - 6:15pm

Presenters:

Clean, Lean & Green

Jeff DeLaune

Saving Cost & Energy by Applying Lean and Green

Michael Hablewitz, Wisconsin Manufacturing Extension Partnership

Date:

FRIDAY, MARCH 27, 2009

Breakout Session 7-6:

Time:

2:30pm - 4:15pm

Presenters:

Speeding Renewable Energy Development In the We Energies Service Territory

Connie Lindholm, We Energies

Warren Gaskill, Rapid Improvement Associates



THEME 8:

Energy Stimulus

Date:
Plenary Session F:
Time:
Plenary Chair:
Moderator:
Panelist:
Panelist:
Panelist:
Panelist:
Panelist:

Friday, March 27, 2009

Perspectives from State and City officials on the Stimulus Package

8:00am to 9:35am

Art Harrington, Partner and Environmental Lead, Godfrey and Kahn
 Mike Gousha, Marquette University– *“Panel and Topic Introduction”*
 Gary Wolter, CEO, MG&E Office of Recovery & Reinvestment – *“State Stimulus”*
 Tom Barrett, Mayor, City of Milwaukee (invited)
 Eric Callisto, State of WI Public Service Commission
 Dick Leinenkugel, Wisconsin Secretary of Commerce
 Willie Hines, Chair, Milwaukee Common Council (invited)

Plenary Session G:
Time:
Keynote Speaker:
Plenary Chair:
Moderator:
Panelist:
Panelist:
Panelist:

Perspectives on the Stimulus Package – gains for Wisconsin and for alternative energy

10:00am – 11:30am

Congresswoman Gwendolyn Moore
 Art Harrington, Partner and Environmental Lead, Godfrey and Kahn
 Mike Gousha, Marquette University– *“Panel and Topic Introduction”*
 Judy Ziewacz, Director, WI Office of Energy Independence
 Sammis White, UW-Milw., Director, Center for Economic Development
 Charles Higley, Exec. Director, Citizens Utility Board



Plenary Session H:

Time:

Plenary Chair:

Panelist:

Panelist:

Panelist:

Panelist:

Panelist:

Panelist:

Introductions:

Keynote: 1:00pm to 2:00pm

The Role of the Private Sector in Energy Projects in Stimulus package

12:30pm – 2:00pm

Art Harrington, Partner and Environmental Lead, Godfrey and Kahn

John Greindanus, The Boldt Company

Jeffrey Crawford, Attorney General, Forest County Potawatomi Tribe

Senior Executive, Johnson Controls

Joel Rogers, Exec. Dir. of C.O.W.S., Professor, UW-Madison

Carlos Santiago, Chancellor, UW- Milwaukee

Bruno Biasiotta, Vice President & General Manager Solutions, North America

Carlos Santiago, Chancellor, UW- Milwaukee

Dan Clancy, President, Wisconsin Technical College System

Congressman David Obey (confirmed)



THEME 9:

Focus on Energy Renewable Energy Program

Date:

WEDNESDAY, MARCH 25, 2009

Breakout Session 9-1:

Solar Electricity Case Studies

Time:

1:30pm - 3:15pm

Presenters:

Wisconsin's Booming Solar Electric Market

Bill Schutten, and Niels Wolter of Focus on Energy

with Greg Oman, Lynette Oman, John Toma, Paul School and Rene Farias

Breakout Session 9-2:

Small Wind

Time:

3:45pm - 5:30pm

Session Chair:

Don Wichert, Focus on Energy

Presenters:

Wind Project Development

Ben Collins, Renewable Energy Dept. Supervisor, Pieper Electric Inc

Overview of Focus small wind program

Rich Hasselman, Focus on Energy

What do I need to know to do wind generation

Amy Taivalkoski, Focus on Energy

Overview of wind project development

Katie Ross, Focus on Energy

Focus on Energy continues next page

renewableenergysummit.org

THEME COORDINATOR(S):

Don Wichert
Focus on Energy



THEME 9:

Focus on Energy Renewable Energy Program

Date:

THURSDAY, MARCH 26, 2009

Breakout Session 9-3:

Time:

10:00am - 11:45am

Presenters:

Bio-Energy: Tapping into Biogas
Larry Krom, Joe Kramer, Dan Nemke of Focus on Energy

Breakout Session 9-4 (one):

Time:

2:00pm – 3:45pm

Presenters:

Renewable Energy Marketing & Market Provider Training
Kelly Lang, Emily Hickey of Focus on Energy,
Hoffman York Person/case study person

Breakout Session 9-4 (two):

Time:

2:00pm – 3:45pm

Presenters:

Biomass Combustion
**Wisconsin Fuels for Schools and Communities:
Community Based Wood Heating**
Don Wichert, Focus on Energy
Terry Stebor, AECOM
Jeff Rabl, Focus on Energy
Pam Porter, Biomass Energy Resources Center

Breakout Session 9-5:

Time:

4:30pm - 6:15pm

Presenters:

Education and Training
Jennie Lane, Focus on Energy
Ingrid Kelley, Focus on Energy
Terhi Parker, Midwest Renewable Energy Association, Focus on Energy
Sherrie Gruder, Focus on Energy

Date:

FRIDAY, MARCH 27, 2009

Breakout Session 9-6:

Time:

2:30pm - 4:15pm

Presenters:

Growing Wisconsin Renewable Energy Businesses
Niels Wolter, Focus on Energy
Mark Daugherty, SolRayo LLC, Focus on Energy
Michael Vickerman, RENEW Wisconsin, Focus on Energy
Ted Petith, Focus on Energy



THEME 10:

Green Career Pathways

Date:

Session 10-1:

Time:

Presenters:

WEDNESDAY, MARCH 25, 2009

1:30pm - 3:15pm

**Focus on Energy Site Assessment Coupon Program
and MREA Site Assessor Certification Program**

Zara Scharf, Midwest Renewable Energy Association

Green Career Pathways continues next page

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THEME COORDINATOR(S):

Lauren Baker
Milwaukee Public Schools

Jennie Lane
Wisconsin K-12 Energy
Education Program

Joe Stolzman
Milwaukee Area Workforce
Investment Board
joe.stolzman@milwaukeeewib.org

Sara Windjue
Wisconsin K-12 Energy
Education Program

THEME COMMITTEE MEMBERS:

Mark Chandler
Svante Scientific, Inc.
NASA Goddard Inst
mchandler1@gmail.com



Date:

**Friday, March 27, 2009
Green Career Day**

Location:

Programs and activities specifically for Milwaukee Area Workforce Investment Board (MAWIB)and Milwaukee Public School attendees to the 2009 Wisconsin Renewable Energy Summit.

Midwest Airlines Center
MAWIB program in Rooms 101AB, 101C plus Ballroom C.
KEEP program in 202AB.

9:00am - 9:30am

MAWIB MORNING SESSIONS

Bus Drop off at 500 W. Wells Street, on north side of building.
Arrivals – greeters and escorts to Conference 101A

9:30am

Assembly welcome

9:45am

Split into 2 workshop groups - in 101AB and 101C;
estimated 75 per group

9:45am - 10:45am

2 Workshop speakers plus question and answers

10:45am - 10:50am

Transition to Exhibit Hall

10:50am - 11:20am

Visit Renewable Energy Summit Exhibits

11:25am

Turn in Evaluations and board buses

12:00pm - 2:25pm

MAWIB AFTERNOON SESSIONS

Same sequence and intervals as morning group.



THEME 11:

Greening Practices for Colleges

Date:

Wednesday, March 25, 2009

Breakout Session 11-1:

Time:

1:30pm - 3:15pm

Presenters:

MATC – Innovation as a tool for Success

Mike Sargent, Milwaukee Area Technical College

The Green Office

Ryan C. Alexander, Wisconsin Public Sector Operations

Breakout Session 11-2:

Time:

3:45pm - 5:30pm

Presenters:

Diversion, Retention and Reuse of Rain Water

Mike Marek, Marek Landscaping

Greening Practices continues next page

renewableenergysummit.org

THEME COORDINATOR(S):

Mike Sargent

Milwaukee Area Technical College

sargentm@matc.edu

THEME COMMITTEE MEMBERS:



THEME 11:

Greening Practices for Colleges

Date:

THURSDAY, MARCH 26, 2009

Breakout Session 11-3:

Time:

10:00am - 11:45am

Presenters:

How to Afford Sustainable Activities

Michael. M. Sargent, Milwaukee Area Technical College

Sustainability – Illusionary or Reality

TBD

Breakout Session 11-4:

Time:

2:00pm – 3:45pm

Presenters:

Sustainable Contracting

Jeff Roepsch, Johnson Controls, Inc.

Meeting the Carbon Footprint Challenge

Thomas G. Sonnleitner, UW-Oshkosh with other members of UW-Oshkosh Staff'

Breakout Session 11-5:

Time:

4:30pm - 6:15pm

Presenters:

Sustainability at UW-Milwaukee: Process vs. Practices

Kate Nelson, UW-Milwaukee

Date:

FRIDAY, MARCH 27, 2009

Breakout Session 11-6:

Time:

2:30pm - 4:15pm

Presenters:

Natural Lawn Care Strategies for the Campus

Darrell Smith, Earth Care

VermiComposting With Red Worms

Michael. M. Sargent, Milwaukee Area Technical College



THEME 12:

Green Transportation

Date:

WEDNESDAY, MARCH 25, 2009

Breakout Session 12-1:

Everyday Options for Everyone

Time:

1:30pm - 3:15 p.m.

Chair:

Francis X. Vogel, WI Clean Cities

Presenters:

Complete Streets: Walking in Wisconsin

Charlie Weeth, Wisconsin Walks

SE WI Rideshare Program

Karen Schmiechen, WI DOT

Bicycling in the Badger State

Kevin Hardman, Bicycle Federation of Wisconsin

Eco-Driving

Francis X. Vogel, WI Clean Cities

Mass Transit

Kerry Thomas, Transit NOW

Green Transportation continues next page

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THEME COORDINATOR(S):

Francis Vogel
Wisconsin Clean Cities
francis.vogel@we-energies.com

THEME COMMITTEE MEMBERS:

Ann Beier
City of Milwaukee



THEME 12:

Green Transportation

Breakout Session 12-2:

Time:

Chairs:

Presenters:

Clean Fuels: Silver Buckshot to Reduce Oil Dependence

3:45 – 5:30 pm

Francis X. Vogel, WI Clean Cities
Christopher Damm, MSOE

Biofuels

Christopher Damm, MSOE

Ethanol

Brett Hulseley, Better Environmental Solutions

Biodiesel

Tony Hartmann, Great Lakes Ag Energy/ WI Biodiesel Association

Natural Gas

TBA

Propane

Jeff Bach, Fire Em Up

Date:

THURSDAY, MARCH 26, 2009

Breakout Session 12-3:

Time:

Chairs:

Presenters:

Ladies and Gentlemen: Charge Your Engines

10:00 – 11:45 am

Francis X. Vogel, WI Clean Cities
Christopher Damm, MSOE

The Chevy Volt

Rich Gunther, General Motors

Advanced Battery Development

Maggie Teliska, Johnson Controls

Neighborhood Electric Vehicles

Michael Stockhauser, Columbia ParCar

Heavy-Duty Hybrids

Craig Tautges, Dueco/ Odyne

Breakout Session 12-4:

Time:

Chair:

Presenters:

Vehicle Education Programs

2:00pm – 3:45pm

Christopher Damm, MSOE

Biodiesel Chemistry and Technical Education; EcoCar; Hybrid-electric

Ken Walz, Madison Area Technical College

EcoCar: The Next Challenge

UW Hybrid Vehicle Team reps

Hybrid-electric vehicles

MSOE student reps



THEME 13:

Legal Issues

Date:

THURSDAY, MARCH 26, 2009

Breakout Session 13-5

Time:

4:30pm - 6:15pm

Presenters:

Follow the Money. Renewable Energy and Energy Efficiency enhancements in the Federal Stimulus Package

Arthur J. Harrington, Attorney Shareholder and Team Leader, Godfrey & Kahn, Attorneys at Law.

Protecting Your Intellectual Property When Applying for Federal Grants

Brian D Bean, Michael Best & Friedrich, LLP

renewableenergysummit.org

THEME COORDINATOR(S):

THEME COMMITTEE MEMBERS:

George Stone
Milwaukee Area Technical College
stoneg@matc.edu



THEME 14:

Solar Electric Energy

Date:

WEDNESDAY, MARCH 25, 2009

Breakout Session 14-1:

Time:

Presenters:

1:30pm - 3:15pm

Current and projected market demand for solar electric systems – manufacturers and installers

Niels Wolter, Focus on Energy

Solar Electric 101

Clay Sterling, Midwest Renewable Energy Association

Breakout Session 14-2:

Time:

Presenters:

3:45pm - 5:30pm

Solar Electric 101 (continued)

Clay Sterling, Midwest Renewable Energy Association

Intro to Photovoltaic System Installations

Walt Novash, Johnson Controls Inc

Date:

THURSDAY, MARCH 26, 2009

Breakout Session 14-3:

Time:

Presenters:

10:00am - 11:45am

Solar PV @ Waukesha County Technical College: Process & Installation

Ray Walter & Douglas Kanaly & Michael Shiels

Pay as you go solar: Could new financing bring solar to all?

Carol Gruba, Full Spectrum Solar

Breakout Session 14-4:

Time:

Presenters:

2:00pm – 3:45pm

Financing PV Systems

Jason Coughlin, National Renewable Energy Laboratory

Breakout Session 14-5:

Time:

Presenters:

4:30pm - 6:15pm

Ultracapacitors For Off-Grid Solar Energy Applications

Kevin Leonard, SolRayo LLC

Solar Site Evaluation: Consultants and Technicians

Ross Reykdal, Full Spectrum Solar

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THEME COORDINATOR(S):

John W. Anderson

Mid-State Technical College

THEME COMMITTEE MEMBERS:

Chris Damm

Milwaukee School of Engineering

Amy Kox

Northeast Wisconsin Technical College

amy.kox@nwtc.edu



THEME 15:

Solar Thermal and Geothermal Energy

Date:

WEDNESDAY, MARCH 25, 2009

Breakout Session 15-1 (ONE):

Time:

1:30pm - 3:15pm

Presenters:

State of Wisconsin in "Solar Hot Water"

Cheryl Rezabek – Wisconsin Department of Administration – Conserve WI

Breakout Session 15-1 (TWO):

Time:

1:30pm - 3:15pm

Presenters:

All about GeoExchange: What, How and Who?

Tom Niesen, Gateway Technical College

Breakout Session 15-2 (ONE):

Time:

3:45pm - 5:30pm

Presenters:

Central Plant Geothermal Heatpump Design and Application

Doug Bergmann, Masters Building Solutions

Heat Recovery

Mark Platt, Multistack

Breakout Session 15-2 (TWO):

Time:

3:45pm - 5:30pm

Presenters:

Geo Thermal Heat Pumps 101: The Renewable Bridge

Leo Udee, Alliant Energy

Solar Thermal/Geothermal continues next page

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THEME COORDINATOR(S):

SOLAR THERMAL

Barbara Anderegg

Madison Area Technical College

banderegg@matcmadison.edu

GEO THERMAL

Thomas Niesen

Gateway Technical College

Niesent@gtc.edu

Leo Udee

Alliant Energy

LeoUdee@alliantenergy.com

THEME COMMITTEE MEMBERS:

SOLAR THERMAL

Ben Nusz

Mid-State Technical College

Bob Ramlow

Artha Renewable Energy and

Focus on Energy



Date:

THURSDAY, MARCH 26, 2009

Breakout Session 15-3:

Time:

10:00am - 11:45am

Presenters:

The Policy Case for an Aggressive Solar Hot Water Program – Solar Site Evaluation: Consultants and Technicians
Michael Vickerman, RENEW Wisconsin

Breakout Session 15-4:

Time:

2:00pm – 3:45pm

Presenters:

Solar Hot Water Market Strategies
Kari Heinrich, Focus on Energy
Bob Ramlow, Focus on Energy
Solar District Heating and Long Term Thermal Storage Forum
Benjamin Nusz, Mid-State Technical College

Breakout Session 15-5:

Time:

4:30pm - 6:15pm

Presenters:

Creating a Successful Solar Business
Bill Guiney, Johnson Controls Inc
Teaching Renewable Energy in the Technical College System
Benjamin Nusz, Mid-State Technical College

Date:

FRIDAY, MARCH 27, 2009

Breakout Session 15-6:

Time:

2:30pm - 4:15pm

Presenters:

Commercial and Institutional Solar Water Heating Systems
Craig Tarr, Energy Concepts
Commercial Geothermal Heat Pump Systems and the Path to Net Zero Energy
Manus McDevitt, Sustainable Engineering Group



THEME 16:

Sustainable Practices

Date:

WEDNESDAY, MARCH 25, 2009

Breakout Session 16-1:

Time:

1:30pm - 3:15pm

Presenters:

**A Methodology for a Modified Triple Bottom Line Perspective:
A Comparative Analysis of Alternative Fuels**
Megan Pease, UW Madison Ph.D. Candidate

Fusion Free Ground Loop Using PEXa
William Bieganeck, REHAU Construction LLC

Breakout Session 16-2:

Time:

3:45pm - 5:30pm

Presenters:

Mainstreaming Sustainability: What leadership of the top 75 organizations say
Gary Evans, Weston Solutions

Date:

THURSDAY, MARCH 26, 2009

Breakout Session 16-3:

Time:

10:00am - 11:45am

Presenters:

**Creating Sustainable Communities and Energy Independence through
Renewable Energy**
Lisa Schaal & Ed Zinthefer, UrbanRe Vitalization Group LLC

Sustainable Practices continues next page

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THEME COORDINATOR(S):

THEME COMMITTEE MEMBERS:



THEME 16:

Sustainable Practices

Breakout Session 16-4:

Time:

Presenters:

2:00pm – 3:45pm

Poplar Phytoremediation: Real Green Plants Co-tasked for Pollution Control, Energy Conservation, and Renewable Fuels

Dr. Louis Licht, Ecolotree Inc.

Breakout Session 16-5:

Time:

Presenters:

Milwaukee's Solar America Cities Program

4:30pm - 6:15pm

NREL Solar America Cities Overview

Jason Coughlin – NREL

“Milwaukee Shines” – Solar America City

Andrea Luecke, City of Milwaukee

Date:

FRIDAY, MARCH 27, 2009

Breakout Session 16-6:

Time:

Presenters:

2:30pm - 4:15pm

Gateway Technical College's Sustainable Efforts

Larry Hobbs, Mark Zlevor, Gateway Technical College



THEME 17:

Utility Issues

Date:

THURSDAY, MARCH 26, 2009

Breakout Session 17-3

Time:

Presenters:

Renewable Energy from Perspective of the Utilities as a Business

10:00am-11:45am

Ramping Up Environmental Stewardship One Community at a Time

Eric Kosteki, Renewable Energy Program Coordinator, WPPI Energy

How MGE Customer Input is Shaping Renewable Energy Actions

Laura Williams, Madison Gas & Electric Company

Renewable Energy in Utility Business Practices

Pat Keily, We Energies

Breakout Session 17-4

Time:

Presenters:

Regulatory Mandates

2:00pm-3:45pm

A National Renewable Energy Standard; What is it and what might it mean for Wisconsin?

Merlin Raab, Wisconsin Public Service Corporation

Utility Perspective: Renewable Energy, Energy Efficiency, and Regulatory Challenges

Kim Shumway, Alliant Energy

Carbon Regulation Implications: How Does One Utility Plan for Compliance?

David Donovan, Xcel Energy



THEME 18:

Water Technology

Date:

WEDNESDAY, MARCH 25, 2009

Breakout Session 18-1:

Time:

1:30pm - 3:15pm

Presenters:

Ensuring Sustainable Practices Through Water Stewardship
Kim Marotta, Miller/Coors

Water/Energy Nexus

Franz Hoffmann, Water Council/GMC

Breakout Session 18-2:

Time:

3:45pm - 5:30pm

Presenters:

Lake Michigan's offshore reefs: can wind turbines and lake trout co-exist?

John Jansen, Great Lakes Water Institute

Wastewater & Alternate Energy

Lee Lundberg, Veolia Water

Date:

THURSDAY, MARCH 26, 2009

Breakout Session 18-3:

Time:

10:00am - 11:45am

Presenters:

Aquaculture in the 21st Century and Beyond

Brian Shepherd, Agricultural Research Service/USDA

Breakout Session 18-4:

Time:

2:00pm - 3:45pm

Presenters:

Using Specific Microorganisms to Improve Anaerobic Digestion

Anne Schauer-Gimenez, Marquette University

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THEME COORDINATOR(S):

Claus Dunkelberg, Co-chair
Waukesha County Technical College

Val Klump, Co-chair
University of Wisconsin Milwaukee

THEME COMMITTEE MEMBERS:

Jeff Baness



THEME 19:

Wind Energy

Date:

WEDNESDAY, MARCH 25, 2009

Breakout Session 19-1:

Time:

1:30pm - 3:15pm

Session Chair:

David Yu, University of Wisconsin Milwaukee

Presenters:

Wind Turbine Blade Design

Ryo Amano, UW-Milwaukee

**Maximizing Wind Turbine Energy Capture Using
Multivariable Extremum Seeking Control**

Yaoyu Li, UW-Milwaukee

Co-presenter: John Seem

Grid Integration Issues for New Wind Turbine Generators

Adel Nasiri, UW-Milwaukee

**Probabilistic Load Flow for a Wind Power System
based on a 5 Point Estimation Method**

David Yu, University of Wisconsin Milwaukee

Breakout Session 19-2:

Time:

3:45pm - 5:30pm

Presenters:

Wind Program/Overview/Students in the Wind Program

Doug Lindsey, Jenny Heinzen of Lakeshore Technical College and LTC Students

Wind Energy continues next page

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THEME COORDINATOR(S):

Pat Keily

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David C Yu

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Mick Sagrillo

Focus on Energy
Sagrillo Power & Light
msagrillo@wizunwired.net

Michael Vickerman

RENEW Wisconsin
mvickerman@renewwisconsin.org



Date:

THURSDAY, MARCH 26, 2009

Breakout Session 19-3:

Time:

Session Chair:

Presenters:

Community Wind

10:00am - 11:45am

Mark Hutter, Manager, North American Accounts, Michels Corporation

Wes Slaymaker, Owner/Project Engineer, WES Engineering LLC

Jon Guntow, Senior Scientist, Natural Resources Consulting, Inc.

Mark Hutter, Manager, North American Accounts, Michels Corporation

Breakout Session 19-5:

Time:

Session Chair:

Presenters:

Large Wind

4:30pm - 6:15pm

Patrick Keily, We Energies

Avian Migration

Brian Bub, Senior Scientist / Avian Ecologist, Natural Resources Consulting, Inc.

Wind Farm Operation

Mark Noah, We Energies

Wind Farm siting in Wisconsin

Andy Hesselbach, We Energies

National Perspective and Growth of Wind Power

Jeffrey Anthony, American Wind Energy Association



 **SPECIAL EVENTS: Wisconsin Technical College Presidents Panel**

Date:

THURSDAY, MARCH 26, 2009

Plenary Session D:

Presidents Panel (concurrent with Lunch)

Time:

12:30pm – 1:45pm

1. Case studies of college projects
2. Projected college activities in renewables, green, sustainability, and energy efficiency
3. College mission and goals for enewables, green, sustainability, and energy efficiency

Panel Members:

Moderator:

Michael Lanser, President, Lakeshore Technical College

Bettsey Barhorst, President, Madison Area Technical College

Bryan Albrecht, President, Gateway Technical College

Jeffrey Rafn, President, Northeast Wisconsin Technical College

Adrian Lorbetske, President, Nicolet Technical College



SPECIAL EVENTS: WEEC Meeting/ KEEP Events

Date :

THURSDAY, MARCH 26, 2009

Event:

Wisconsin Energy Education Consortium Meeting
Meeting to discuss formation

Time:

10:00am – 11:45am

Location:

Room 101D

Presenter:

Nick Hylla, Midwest Renewable Energy Association

Date:

FRIDAY, MARCH 27, 2009

Event:

KEEP K-12 Teachers Class

Time:

9:15am – 10am

Location:

Room 101C

Instructor:

Janie Besharse, KEEP Adjunct, K-12 Energy Education Program (KEEP)
The Wisconsin K-12 Energy Education Program (KEEP) invites K-12 teachers to register for a graduate course through UW-Stevens Point for only \$50. This course will require you to attend the Renewable Energy Summit on either Thursday/Friday or Friday/Saturday. Learn more and register at: www.uwsp.edu/cnr/wcee/keep under Professional Development. This course is limited to 10 teachers.

We Energies is providing Teacher Conference Grants for teachers. Learn more at www.we-energies.com/educators/tworkshops/index.htm.

Event:

KEEP Roundtable Discussion

Connecting High School Technology Education Instructors and Technical College Instructors: Exploring opportunities to increase Renewable Energy and Energy Efficiency Education

Time:

1:30pm - 2:30pm

Location:

Room 202AB

Moderator:

Sara Windjue, K-12 Energy Education Program (KEEP)

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SPECIAL EVENTS: MREA Saturday Workshops

Location:

MATC Oak Creek Campus
6665 S. Howell Avenue, Oak Creek
Rooms E115; E107 and E113

Workshop #(s):

Basic Photovoltaics 101.11, 101.12 or 101.28

Participants in this workshop will learn the basics of photovoltaic systems. They will learn to define PV, understand how PV works, identify the four PV system types, describe and identify components, understand the best application and limitations of each system type, define the solar window, understand energy efficiency and load estimates, identify PV mounting types and understand the basics of site assessment tools.

- Materials Required: Notepad, Pencil or pen, Calculator
- Lunch will be provided.

Date/Time:

All three workshops provide the same information, and are offered in different rooms (tba) on Saturday, March 28, 2009, 9am to 5pm

Cost:

Non-Member Workshop Price: \$110.00
Member Workshop Price: \$90.00

Click on Site to Register:

101.11 Course Instructor: Jim Funk, Energize LLC

<http://www.the-mrea.org/workshops.php?id=1200428606>

101.12 Course Instructor: Mark Warnick, Full Spectrum Solar

<http://www.the-mrea.org/workshops.php?id=1154377595>

101.28 Course Instructor: Mike Troge, New Solar, LLC

<http://www.the-mrea.org/workshops.php?id=1234195440>

MREA Workshops continues next page

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Theme Coordinator(s):

Tehri Parker
Midwest Renewable
Energy Association
tehr@the-mrea.org



Location:

MATC Oak Creek Campus
6665 S. Howell Avenue, Oak Creek
Room E114

Workshop #(s):

Introduction to Wind Systems W 101.06

This one-day course is a prequel to MREA wind systems workshops and for people who have an interest in residential size wind systems for their home or business. This course will inform students as to what wind energy is, how it works and what it can do for you. Students in this course will learn the basics of wind energy. Topics will include: wind resources, basic system components, system types, turbine types, applications, and tower types.

This course is a prerequisite for all other MREA wind courses.

Materials Required: Notepad, Pencil or pen, Calculator

Lunch will be provided.

Date/Time:

Saturday, March 28, 2009, 9am to 5pm

Cost:

Non-Member Workshop Price: \$110.00
Member Workshop Price: \$90.00

Instructor:

Clay Sterling, MREA Education Director

Click on Site to Register:

<http://www.the-mrea.org/workshops.php?id=1234196134>

MREA Workshops continues next page



Location:

MATC Oak Creek Campus
6665 S. Howell Avenue, Oak Creek
Room E106

Workshop #(s):

Solar Domestic Hot Water Systems SW 101.09

Learn how to use the sun's energy for domestic uses: showers, sinks, clothes washer. A household can save 50% or more in energy costs annually, by incorporating a SDHW system. These systems are easy to install and often pay for themselves in energy savings in just a few years. This class provides an overview of a variety of system types.

7 Credit Hours, WI Licensed Master and Journeyman Plumbers, WI Licensed Master and Journeyman Restricted Appliance.

Materials Required: Notepad, Pencil

Lunch will be provided.

Date/Time:

Saturday, March 28, 2009, 9am to 5pm

Cost:

Non-Member Workshop Price: \$110.00

Member Workshop Price: \$90.00

Instructor:

Andy DeRocher, Full Spectrum Solar

Click on Site to Register:

<http://www.the-mrea.org/workshops.php?id=1234196570>

MREA Workshops continues next page



Location:

MATC Oak Creek Campus
6665 S. Howell Avenue, Oak Creek
Room E110

Workshop #(s):

Green Workplace Auditor G 205.02

More and more business owners are discovering that environmentally responsible practices not only help the planet but boost their bottom lines as well. Participants in this workshop will learn about and see basic “green practices” that can be applied to most businesses. Emphasis will be placed on how these practices can help save money, improve employee health, and reduce the carbon footprint of the company. At the completion of the workshop students will receive a Green Workplace Auditor certificate and checklist for auditing their place of business.

Materials Required: Notepad, Pencil

Lunch will be provided.

Date/Time:

Saturday, March 28, 2009, 8:00am to 12:00noon

Cost:

Non-Member Workshop Price: \$150.00

Member Workshop Price: \$125.00

Instructor:

Tehri Parker, MREA Executive Director

Click on Site to Register:

<http://www.the-mrea.org/workshops.php?id=1234198030>