

15th Annual LMOP Conference and Project Expo Summary

- *Welcome and Conference Overview*
Swarupa Ganguli, Landfill Methane Outreach Program (LMOP), U.S. Environmental Protection Agency (EPA)
- *Keynote Address*
David H. Mauney IV, Energy Developments, Inc.

Session 1: What's New in '11 – Direct Use, High BTU

- *Hospital Beneficial Use of LFG- Rockingham County, VA*
Darrin Dillah, SCS Engineers; Warren Heidt, Director of Public Works, Rockingham County
- *New Beneficial Use of LFG - Animal Incinerator*
Tom Smith and Sadhu Sandhu, Prince William County
- *High BTU and the Billings Montana Landfill*
Michael Mitariten, Guild Associates Inc.
- *DeKalb County LFG to RNG and Utilizing it for CNG Fuel in Solid Waste Vehicles*
Billy Malone, DeKalb County

Session 2: What's New in '11- Electricity

- *Integrated Utility Improvement Project Gas to Energy Plant and Compressor Building*
Douglas G. Tholo, HR Green
- *Mississippi's First Landfill Gas to Electric Power Development- How a Public Entity Took Control and Made it Happen, A Lesson in Self Development*
Jimmy Sloan, Golden Triangle Regional Solid Waste Management Authority
- *Equipment Considerations for LFG Gensets, Determining the Total Cost of Ownership*
Mauricio A. Lopez and Ben Mathews, Caterpillar Electric Power-Gas

Lunch

- *2011 LMOP Partner and Project of the Year Awards Luncheon*

Session 3: Financing and Market Outlook

- *Wholesale Power Markets, Risks and Rewards of Merchant Generation*
Gabriel Phillips, CEO of GP Renewables & Trading
- *The Changing Landscape of Methane: Where Are Natural Gas Prices Headed*
David M. Tucker, Atmos Energy
- *Tax and Non-Tax Incentives for Landfill Gas to Energy Projects*
Laura Jones, Hunton and Williams
- *IFC Mechanisms for Participating in and Mobilizing Capital for the Solid Waste Sector in Emerging Markets*
Jim Michelsen, International Finance Corporation

Session 4: Overcoming Technical and Regulatory Challenges

- *Hydrogen Sulfide Remediation at King George County Landfill, King George, VA*
William Tennant, Waste Management

- *Real Time Siloxane Measurements at Landfill and Digester Sites Using FTIR*
Barbara Marshik, MKS Instruments
- *Regulatory Compliance and Your Landfill Gas to Energy Project*
Keith A. Johnson, BAS

Session 5: Small Scale LFGE

- *Small LFG-to-Pipeline as an Economic Development Driver in Rural Virginia*
Ed Rogers, Clean Energy Research & Development Center
- *EnergyXchange: The World's First Small-Scale Art and Horticulture Based LFG Project: Still in Business After 12 Years*
Chad Leatherwood, SCS Engineers
- *Facilitating Community Based LFG Statewide: 6 Years, 14 Counties, and 10 Projects*
Jason W. Hoyle, Appalachian Energy Center

Session 6a: Round Robin of Technical Issues #1

- *Evaluating Landfill Gas Collection Efficiency Uncertainty*
H.R. Amini and D.R. Reinhart, University of Central Florida
- *CALMIM: A Field-Validated Model for Annual Site-Specific Landfill Methane Emissions*
Meg Corcoran, University of Illinois
- *Challenges and Opportunities of Biomethane for Pipeline Injection in California "A Utility Perspective"*
Valentino M. Tiangco, Ph.D., SMUD

Session 6b: Round Robin of Technical Issues #2

- *Increasing LFG Collection Rates Using Gas Well Dewatering Systems- Lessons Learned*
David Kaminski, QED
- *Converting LFGTE Projects to Combined Heat and Power Cycles*
Terry Beasy, Heartland Technology Partners, LLC
- *LMOP Locator Training*
Amy Alexander, ERG

Session 7: Financial Engineering's the Key: How a Long-Term Energy Sale Agreement and Bond Offering Transformed the McCommas Bluff LFGE Project. Three Perspectives on One Project

- *Doug Lamb, McGuire Woods*
- *Evan Williams, Cambrian Energy*
- *Lawrence N. Tonomura, Bank of America Merrill Lynch*

Session 8: Where are They Now?

- *Integrating Co-Generation for Renewable Fuel Production at the Catawba County North Carolina EcoComplex*
Jeffrey E. Ramsdell, Jeremy Ferrell, and Zack Hobbs, Appalachian State University
- *Lessons Learned in Developing and Operating a Small LFG to BioCNG Vehicle Fuel Project*
Mark Torresani, Cornerstone
- *Follow Up on Keene, NH LFG Project*
David E. Adams, Sanborn Head