

## H2O-XPO Education Sessions

### TUESDAY SESSIONS

#### 8:00 am-9:30 am

##### **Opening Ceremony & Key Note Address**

*Fred Sheldon, President, NRWA*

*Tom Vilsack, Secretary of Agriculture, (invited)*

*Lisa Jackson, EPA Administrator, (Invited)*

*Dr. Lee Manzer, Oklahoma State University*

2009 has been a boom for the water and wastewater industry and 2010 promises to be much the same. Jump start your conference with critical information from high level VIP presentations and leave with renewed insight and enthusiasm into the leadership role you provide to our industry your association and to Rural America.

#### 11:30 am-12:45 pm

H2O-XPO T70

##### **PVC Pipe Applications**

*Michael Luckenbill, Uni-bell PVC Pipe Association*

The installation of PVC has become more prevalent in the water and wastewater utility industry. Attend this session to understand the manufacturing process and the pros and cons of PVC pipe versus other materials.

H2O-XPO T71

##### **The Political Roundtable**

*Mike Keegan, NRWA Legislative Analyst*

*Walt Smith, NRWA Legislative Analyst*

*Bill Simpson, NRWA Legislative Analyst*

Focus is on the new administration and congress' impact on funding for infrastructure. This political roundtable will provide a legislative update of key issues facing the water and wastewater industry and respond to audience's concerns.

H2O-XPO T72

##### **Audits Can You Read Me Now?**

*Mike Gibson, CPA, Cole and Reed Accounting*

Audits are a key management and governance tool for financial credibility, as well as short and long term planning. Learn the types of audits, who the auditor works for, how to read them, what information they provide and how to apply the information in governance, management and planning.

#### 1:45 pm-3:00 pm

H2O-XPO T80

##### **Installation, Testing and Tapping PVC Pipe**

*Michael Luckenbill, Uni-bell PVC Pipe Association*

This session will provide review: the installation practices, backfill options, trench-less technology, tapping and connection procedures for PVC Pipe.

H2O-XPO T81

##### **Effective Intergenerational Communication**

*Dr. Lee Manzer Oklahoma State University*

Today your utility can have 3 and possible 4 generations of employees working together. Each generation has its' own values forged in the history of their lives. How well we communicate is crucial to the effective transfer of knowledge to and the retention of younger workers in our industry.

H2O-XPO T82

**Working with Construction Contractors**

*Clay Kelly, Strand Associates*

The working relationship with construction contractors is paramount to successful installation. This give and take session between the contractor, the system manager and the funding agency will enlighten the audience to key hot topics and resolution to complex construction issues.

**3:30 pm-4:45 pm**

H2O-XPO T90

**International Rural Water**

*Bill Kramer, PE, CEO International Rural Water Association*

The International Rural Water Association has had tremendous success in improving the quality of drinking water in several third world countries. This has been accomplished with the support of the National Rural Water Association and contributions from corporations, organizations and individuals. See the successes that have been accomplished by so little.

H2O-XPO T91

**Customer Relations in a Virtual Society**

*Dr. Lee Manzer, Oklahoma State University*

Technology has dramatically changed customer expectations of customer relations. Technology and the realization that the generations today have never known a world without internet, cell phones and 100 plus channels to choose from present a tremendous customer relations challenge. Learn the challenges of today and how to deal with them through facts and humor.

H2O-XPO T92

**Emergency Operations: Not If, But When**

*Gary Williams, FlaWarn Incident Manger & Executive Director Florida Rural Water Association*

Experience is said to be the best educator and it is too late to repair a hole in the roof once the rain has started. Learn from those water and wastewater systems that have experienced emergencies, what they were prepared for and what they were not prepared for. Their experiences are the best training a system can have to be prepared for the emergency that sooner than later will come along your way.

H2O-XPO T93

**Managing the Utility Finance and Administration**

*Joe Burns, Kentucky Rural Water Association*

Utility Finance and Administration is a prime responsibility of today's Utility Management Professional. This session will cover the basic responsibilities of "need to know" in this critical area of utility management.

**WEDNESDAY SESSIONS**

**8:00 am-9:15 am**

H2O-XPO W50

**Partnerships in Service Territories**

*Damon Talley; Attorney at Law, General Council, KRWA*

Service Territory Protection disputes can be costly, create long term conflict and do little justice to providing drinking water to rural areas in a timely fashion. Learn the ins and outs how these systems found a way to overcome obstacles, create benefits for both parties and bring service to rural residents.

H2O-XPO

W51

**Ultra Violet Disinfecting and its Applications in Water and Wastewater**

*Chris Impellitteri, PhD, EPA, National Risk Management Research Laboratory*

Ultra violet is an alternative but does not comply with the SDWA requirement for measurable free chlorine in the distribution system and its effectiveness is based on water quality. This session will provide the details for application of ultra violet disinfection in a manner that complies with requirements of the Safe Drinking water Act.

H2O-XPO

W52

**Personnel Privacy in the Work Place**

*Mike Holmes; Herbert, Holmes and Bertrand*

Is there an official policy regarding privacy for personnel in the workplace? This issue has become more complicated with the computerization of offices and personal communication devices. Learn the limits for the employer and the employee in this area and what policies should be in place for protection of the employee and employer.

**9:45 am-11:00 am**

H2O-XPO

W60

**New Regulations for Today and Tomorrow**

*EPA Speaker to be Announced*

How new water regulations will affect your operations and respond to audience questions with information, facts and solutions.

H2O-XPO

W61

**Legal Responsibilities of Boards and Council Members**

*Jim Dunlap, NRWA Director, New Mexico*

*Dennis Schwartz, NRWA Director, Kansas*

What are your responsibilities as a board member and what are the legal challenges that you face? A knowledgeable board member is a board member who is prepared to face the challenges of the future world of business. Attend this session and learn what it means to be a board member in today's dynamic business world.

H2O-XPO

W62

**Sustainability of Small Districts and Community Systems**

*Steve Saulnier, RUS*

*Ron Bergman, EPA*

As infrastructure ages, regulatory requirements increase and cost of operations increase. Small districts and systems are concerned with their ability to sustain their system over time. This session will provide a look at the challenges faced and how small systems are coping today and planning for the future.

**11:30 am-12:45 pm**

H2O-XPO

W70

**Federal Preparedness, Disaster and Safety Related Grants Require NIMS Compliancy**

*Jim Caverly, Director, Partnership and Outreach Infrastructure Protection*

Federal preparedness assistance is contingent on your agency's compliance with NIMS. This assistance includes federal funding from the DHS Emergency Management Performance Grants (EMPG), Homeland Security Grant Program and Urban Area Security Initiative. That means that if your agency wants to be eligible to receive federal funds for preparedness activities which includes nearly 50 different programs from more than 25 federal departments and agencies, your agency must be able to certify that it has complied with the requirements of NIMS. Understanding the National Incident Management System is the key to effective coordination with various local, state and federal responders during a disaster and/or an emergency incident involving your utility.

H2O-XPO W71

**Board/Council Management Relationships**

*Phil Bastin and Jim Dunlap, Board Trainers and Former NRWA Presidents*

A board has one employee. Learn how to manage that employee and what their responsibilities are. Learn about the hazards of getting involved with your employee's staff and what the implications are to the board's ability to govern and your one employee's ability to manage. This session will help you define those roles and more.

H2O-XPO W72

**Railroad Right of Ways**

*Dave Thomas, Eagle 1 Resources*

Railroad right of ways fees could be costing your utility. Get the legal perspective on these fees and the potential savings to your utility.

**1:45 pm-3:00 pm**

H2O-XPO W80

**Chemical Security Model**

*Ed Thomas, NRWA Environmental Engineer*

This assessment promotes increased chemical security and help collect data to understand the status of chemical security at our nation's water utilities. Implementing this model will evaluate the disinfectant that best fits the specific needs of communities and identify risks or weakness in chemical security plans, and help DHS better understand the threat associated with chemicals used by the water sector.

H2O-XPO W81

**TMDLs Waste Water vs Agriculture**

*Michael Haire, EPA*

The TMDL calculates the maximum amount of a pollutant allowed to enter a waterbody, and continue to meet water quality standards for that particular pollutant. The TMDL allocates that load to point sources, (Wasteload Allocation or WLA), and nonpoint sources (Load Allocation or LA) which include both anthropogenic and natural sources of the pollutant. EPA cannot enforce implementation of a TMDL. If the TMDL WLA requires more stringent permit limits for point sources these must be implemented in the appropriate NPDES permits at the time of their renewal.

H2O-XPO W82

**Electrical Energy Conservation = \$ Conservation for Utilities**

*Dr. John Regnier, High Point, Inc.*

Cost containment is a key element in utility operations for water and wastewater systems. The way that energy cost is managed can lower the cost to the utility and to the consumer. This Rural Water White Paper will be discussed with representatives of the Electrical Industry to provide needed information for utility energy conservation.

**3:30 pm-4:45 pm**

H2O-XPO W90

**Alternate Energy Applications**

*Dennis Beck, Renewable Energy Center, St. Francis University*

From wind and solar, utilities are exploring various alternative energy sources to minimize energy cost for utility operations. Explore this new frontier and journey that utilities are embarking on and see if it is something your water or wastewater systems would find financially advantageous.

H2O-XPO W91

**HDPE Pipe for Water Mains**

*Bruce G. Kuffer, PE, Plastic Pipe Institute*

If you were to look just at the “surface” of the ever increasing demands on our municipal infrastructure: you might think roads, lighting and other above ground networks were the only major components to address. However, looking “below the surface” you will discover a much greater depth to our infrastructure needs. Water mains, sanitary sewers, storm water systems, force mains and transmission lines serve as the veins and arteries that support all that is essential for are economic and personal wellbeing. This session will focus primarily on water mains and discuss how these systems have a dynamic nature, always in motion being pushed, pulled, pressurized and abused.

H2O-XPO W92

**Legal Rights and Responsibilities of Water Districts When Threatened by Pollution**

*Victor M. Sher, Sher Leff LLP, Attorney at Law*

Protecting Your Water Supply and Your Bottom-Line: Shifting Treatment Costs From Ratepayers to Polluters.

**THURSDAY SESSIONS**

**8:00 am-9:15 am**

H2O-XPO TH50

**Completing the RUS Loan and Grant Application**

*Sandi Boughton, USDA, RUS*

*Steve Saulnier, USDA, RUS*

Take a step by step trip through the RUS Loan and Grant Application process and learn the tips and techniques that may enhance your application. Understanding the application process can prevent costly time consuming errors and expedite your application and project.

H2O-XPO TH51

**Hydraulic Modeling = Efficient Operations**

*Shar Govindan, Bentley Systems Inc.*

Computer models of water distribution systems represent the most effective means for evaluating system response to various strategies. These models require extensive spatial and hydraulic infrastructure data.

H2O-XPO TH52

**Effective Board/Council Meetings**

*Phil Bastin, NRWA Director, Indiana*

*Dennis Schwartz, NRWA Director, Kansas*

Do you know what your role is in the board/council meeting? Are you adequately informed by your chief staff officer prior to the meeting? Who is responsible for managing the meeting and what is expected of you? A meeting can run only as efficiently as the members are prepared. Prepare for your next meeting by attending this very important session.

**9:45 am-11:00 am**

**H2O-XPO**

**TH60**

**NIMS Compliance Made Easy and FREE for Water and Wastewater Utilities**

*Tom Duck, Texas Rural Water Association*

*Ryan Costello, SEMS Technologies*

*Chuck Manly, SEMS Technologies*

TRWA has worked with FEMA/DHS to produce a software tool to assist water and waste water utilities with implementing NIMS into their emergency response plans. This project, in partnership with SEMS Technologies, will ensure EVERY utility in the country can easily implement NIMS for free. Specifically, this session will discuss how to: implement the Incident Command Structure during a response, execute a mutual aid agreement, effectively navigate the FEMA reimbursement process, and at the end of the day better prepare you in case of an emergency.

**H2O-XPO**

**TH61**

**Chlorine By-Products and Security**

*Chlorine Institute & Chlorine Chemistry*

*Division of the American Chemistry Council*

Chlorine disinfection is used by the majority of small systems around the nation. However, in certain circles it is under attack. The by-products cause trihalomethanes regulated by the MCLs and the safety of chlorine has come under scrutiny by officials that deal with terrorism. Learn the latest and the facts about chlorine so you are knowledgeable when these issues arise in your operations.

**H2O-XPO**

**TH62**

**Board/Council Managing Risk and Liabilities**

*Phil Bastin, NRWA Director, Indiana*

*Dennis Schwartz, NRWA Director, Kansas*

Most organizations fail due to financial irregularities than any other reason. Few board members fully understand what their responsibilities are, how to read and interpret financial statements, assess insurance needs, and make sound and intelligent decisions guided by your by-laws and policies. Join this session and learn what those risks and liabilities are and what you can do to avoid them.

**11:30-12:45 pm**

**H2O-XPO**

**TH70**

**Retirement and Investing**

*Tracy Miller, CLU, CFP, Private Client Consultant, Charles Schwab & Company*

Are you close to retirement? Are you unsure about the type of investments you need for your age? From personal investments to retirement investments, this session will provide you with the knowledge a person needs for their investment and retirement considerations.

**H2O-XPO**

**TH71**

**Variable Frequency Drives (VFDs)**

*Robert McVey, PE, Florida Rural Water Association*

When applied properly, the variable frequency drive (VFD) is the most effective motor controller in the industry today. Modern VFDs are affordable and reliable, have flexibility of control, and offer significant electrical energy savings through greatly reduced electric bills. They are used in a wide variety of applications for various reasons. For example, they are the most effective energy savers in pump and fan applications; they enhance process operations, particularly where flow control is involved. VFDs provide soft-start capabilities, which decrease electrical stresses and line voltage sags associated with full voltage motor start-ups, especially when driving high-inertia loads.

H2O-XPO

TH72

### **GPS/GIS Implementation: Tools for Daily Utility Operations & Maintenance**

*Trey Lyon, Spatial Data Integrations*

*Ron Householder, MapSync*

*Joe Burns, Kentucky Rural Water Association*

Global Positioning Systems (GPS) and Geographic Information Systems (GIS) are powerful tools that can be used by utility personnel to more effectively operate and manage their system. These tools allow utilities to accurately visualize their systems through intelligent maps and consolidate information for an easier, more accurate decision-making process. This open forum discussion will dispel some of the myths around the implementation and usage of these technologies and answer your questions regarding how and why your utility should be using them.

H2O-XPO

TH73

### **Wetlands for Water Treatment**

*Matt Byers, Kentucky Onsite Wastewater Association*

Wetland can be used to biologically treat domestic wastewater. Wetland cells can be designed to serve a single family dwelling, or much larger to serve an entire community.

## **Other education opportunities**

### **Tuesday Sessions**

**9:45 am-11:00 am**

ICUEE

T20

### **Report on Emergency Restoration Practices**

*Robert Grant*

This session will cover the entire restoration process and the special challenges utilities face when their system is hit with an IKE like Hurricane. Upon completion of this session, you will be able to: describe the restoration process; discuss how utilities determine what resources are needed; identify how contractors can properly support the restoration effort.

ICUEE

T21

### **Management/Professional Development**

#### **Mastering the Tools of Change**

*Ron Black, The Mentor Group*

Leading Radical (and not-so-radical) Change In an environment of relentless change, successful leadership requires an understanding of the tools, techniques and best practices of change management. From broad initiatives to subtle improvements, the ability to work with what you have, focus on imperatives, build momentum, and deliver lasting results is in high demand. This session reveals a seasoned turn-around and start-up consultant's tips and techniques for leading organizations through turbulent times—the nuts and bolts of transformational change.

Upon completion of this session, you will be able to: Discuss the factors and dynamics of leading effective change initiatives; List common change management mistakes and how to avoid them; Apply change management best practices in your organization

ICUEE

T22

### **Renewable Energy: Construction in the Growing Wind Industry**

*John Dunlap, P.E., American Wind Energy Association*

*Barry Morris, Airstreams*

The wind industry has continued to expand even in these tight economic times, and it is projected to grow over ten-fold in the next score of years, driving it to become a \$30 billion industry annually. Over 25% of that business activity will be in construction, infrastructure and balance-of-plant investments. Upon

completion of this session, you will be able to: Identify the driving forces for wind energy expansion in the U.S.; Describe new construction business opportunities across the nation; List construction requirements/needs for building a wind farm.

**ICUEE** **T23**

**Gas  
Gas Keyhole Technology**  
*Speaker to be Announced*

**ICUEE** **T24**

**New Construction Techniques for the  
Elimination of Cross Bores**

*Mark Wallbom, Underground Imaging Technologies  
Steve Lacy, Hydromax, USA*

Moles, plows and directional drills are trenchless techniques for installation of new underground utilities. They provide minimal disruption to the surface, area traffic and are the most economical solution in many applications. New installation projects can increase the initial and long-term safety of installations by adopting new methods for prevention of cross bores.

**11:30 am- 12:45 pm**

**ICUEE** **T30**

**Micro Trenching: OSP Innovations to Build Your  
Network On Time and On Budget**

*Gary Stahlbrand, TeraSpan  
Mike Tsamkiranis, TeraSpan*

Chris Price, HP Communications Inc

This detailed discussion looks at micro trenching as a deployment technique to help deliver OSP projects on time and on budget. Different methods of micro trenching are explored, and various construction innovations and best practices are discussed.

**ICUEE** **T31**

**Equipment/Fleet Management:  
The 10 Best Practices from the 100 Best Fleets in North America**

*Tom Johnson, The 100 Best Fleets in North America*

Tom is the author of this international contest and will discuss real world solutions to your most pressing challenges. Breakthrough ideas you can implement upon your return to take your operation to the next level; from the leaders creating and using them. Upon completion of this session, you will be able to: List the 12 criteria of the 100 Best Fleets in the country; the drivers of excellence in any organization; Define the number one quality all exceptional fleets have in common and how you can apply it tomorrow; Identify new business priorities through a simple ready-to-implement-business-plan.

**ICUEE** **T31**

**The 10 Best Practices from the  
100 Best Fleets in North America**

*Tom Johnson, The 100 Best Fleets in North America*

The author of this international contest will discuss real world solutions to your most pressing challenges. Breakthrough ideas you can implement upon your return to take your operation to the next level; from the leaders creating and using them.

**ICUEE** **T32**

**Utilities Recognizing Conversion to Underground  
Can Limit Outages and Damages**

Davis H. Elliot

Deadly ice storms over the last few years have left hundreds of thousands across the country without electric power. While converting overhead power cable is expensive, such disasters are causing utility providers to investigate aerial to underground conversion programs.

1:45 pm – 3:00 pm

**ICUEE T40**  
**Equipment/Fleet Management**  
**Equipment Replacement, What is the Life Cycle Cost and Safety Concerns of Extending Your Equipment Replacement Life**

*Bill DeRousse, City of Everett Washington and Everett Utilities*

What factors influence equipment replacement? How do you determine when a vehicle should be replaced or repaired? Study an example of equipment costs (CPM, Repair hours per mile/hour, Average age and Average usage) over the past four years and see what factors have affected costs.

**ICUEE T41**  
**Management/Professional Development**  
**Championship Team Leadership**

*Ron Black, The Mentor Group*

Harvesting the Power of G.R.E.A.T. Teams. Today's successful organization depends on high-performance teams at every level. From management to tradesman to vendor, working together effectively translates into better job satisfaction, better projects, and better business results. Learn how a clarity and focus on goals, roles, environment, attitudes, and trust can unleash the power of G.R.E.A.T. teams in your company. Build an environment of cooperative success and transform your organization's achievement. Upon completion of this session, you will be able to: Lead more effective teams and workgroups; Create an environment of positive interdependence and authentic participation; Leverage the power of collaborative team leadership.

**ICUEE T42**  
**Management/Professional Development**  
**Everyone's a Safety Coach**

*David Sarkus*

It's difficult for leaders to trust and understand the kinds of principles that must be used to help individuals and teams work safer on a regular basis. In fact, some leaders don't quite know where to begin! David reveals .The 7C's that any leader can use to help workers achieve their very best. These 7 principles will help your organization move together in the same direction through a common vision for world-class safety performance!

**ICUEE T43**  
**Getting the Dirt on DIRT**

*Khrysanne Kerr, Common Ground Alliance(CGA)*

The CGA's Damage Information Reporting Tool (DIRT) is a free, online tool to help improve damage prevention and underground safety through collection and analysis of underground facility event data on a national basis.

**ICUEE T44**  
**Gas**  
**New Gas Technology**

*Brian Mattson, Gas Technology Institute*

**ICUEE** **T45**

**Wind Powers Industry Growth**

*Speaker to be announced*

More and more wind farms are appearing across the country's landscape, but harnessing the wind to produce power requires more than just large windmills. Cable collection systems will link wind turbines to substations, along with new access roads or improvements to existing roads as well.

**3:30 pm – 5:00 pm**

**ICUEE** **T46**

**Getting Smart About the Smart Grid**

*Panelists: Todd W. Arnold, Senior Vice President - Smart Grid and Customer Systems, Duke Energy*

*Katherine Hamilton, President, GridWise Alliance*

*Mark Miller, Solutions Operations Director- Energy, CISCO Systems*

*Dave L. Mohre, Executive Director, Energy & Environmental Division, NRECA*

In today's fast-paced energy environment, many have proposed that a smarter electric grid is the principle foundation for solving our nation's energy and environmental problems. But what is a "smart grid", how will it work such magic and what will it cost consumers?

Join our panel and you will learn: The objectives and technologies of the smart grid, and determine if they are available today; The utility and consumer benefits of the smart grid, and if they outweigh the costs; What leading utility companies are doing to implement smart grid systems.

**Wednesday Sessions**

**8:00 am- 9:15 am**

**ICUEE** **W10**

**GPS Technology Will Enhance the Way Buried Utilities Are Located & Marked**

*Rick Pevarski, Virginia Utility Protection Service Inc.*

A one-county trial program in Virginia incorporating GPS technology to identify buried facilities proved so successful it has been expanded to include all state counties containing buried pipelines. The president of Virginia's one-call agency will provide background and details of the program.

**9:45 am – 11:00 am**

**ICUEE** **W20**

**Developing Your Shop Rates:**

**Are your Costs Competitive with Equipment Repair Facilities in your Area?**

*Bill DeRousse, City of Everett Washington and Everett Utilities*

How do you recapture your operating costs? How do you report your costs to your customers? What costs should be in your fully burdened shop rates? How does your PM schedule and technician productivity affect your rates? Do you know if you are competitively priced for the services you provide? If you have ever asked yourself these questions, this session is for you.

**ICUEE** **W21**

**Find That Pipe! Good Tracking/Locating Practices**

*Mike Dvorak, The Charles Machine Works Inc.*

*Dave Gasmovic, McLaughlin Manufacturing*

Many recent improvements have been made to underground imaging technology and sound tracking equipment. Unless your company follows good tracking and locating practices, damaging other underground utilities will occur, sometimes with catastrophic results. Learn how locating and tracking properly will keep your drill rigs out of trouble.

**11:30 am – 12:45 pm**

**ICUEE**

**W30**

**Hybrid 101**

This session will provide a wealth of background information for those who are new to hybrid technology, detailing the different hybrid solutions for medium and heavy-duty vehicles, providing an identification of characteristics and benefits of the various systems, and listing the different hybrid trucks that are currently available.

**ICUEE**

**W31**

**Complying With Increasing Demands to Mitigate Utility Job Site Carbon Footprints**

*Dr. Samuel Ariaratnam, P.E., Del E. Webb School of Construction, Arizona State University*

Knowing your carbon footprint on a utility construction site is becoming increasingly important. In fact, it most likely will be mandatory in the near future. This session will identify options for measuring your carbon impact and selecting appropriate mitigating construction methods.

**1:45 pm – 3:00 pm**

**ICUEE**

**W40**

**Petroleum Fuel Reduction**

*Art Vatsky, P.E., Future Fuels Consulting*

The way technology is being used to reduce vehicle fuel use: electricity as fuel, hybrid drive systems for trucks, hydraulics as a lower-cost hybrid system.

**ICUEE**

**W41**

**Hybrid 201**

For those who are already familiar with hybrid drivetrain technologies for medium and heavy duty trucks, this session will provide comment on real fleet experiences, know-how on the proper implementation of the technology, maintenance and servicing considerations, and information on incentives available to help reduce first cost.

**ICUEE**

**W42**

**Project Management Essentials**

*Ron Black, The Mentor Group*

Planning that Boosts Coordination, Control, and Cash Flow

The greatest gains in operational success come with a focus and mastery of the basics of your business. Learn how to leverage the essential elements of planning and scheduling to boost the volume, value, and velocity of work your organization delivers. These essential planning and scheduling skills will help you get more done with limited resources, operate more efficiently, and improve the coordination and control of your projects. Learn how better planning can build your organization's profits, strength, and growth. Upon completion of this session, you will be able to: Create schedules that improve coordination, control, and operational effectiveness; Turn your planning investment into better financial performance; Focus on the four keys to effective project planning and scheduling.

**ICUEE** **W43**  
**Pipe Splitting (Bursting) for Gas, Telecom and Electric**

*Chris Brahler, TT Technologies Inc.*

*Brian Metcalf, Earth Tool Company LLC*

Modern pipebursting technology has evolved so that bursting or splitting plastic, steel and even copper pipe/conduit materials is now not only possible, but practical.

**THURSDAY SESSIONS**  
**8:00 am - 9:15 am**

**ICUEE** **TH10**  
**Mixing, Recycling and Disposal of Drilling Fluids**

*Tom Tibor, Baroid Drilling Fluids*

Even with smaller HDD rigs, recycling of your drilling fluids is sometimes necessary or practical at the job site, especially as fluid disposal is becoming increasingly difficult. This session will look at the practicality of fluid recycling for small to medium rigs and the best ways to dispose of fluid.

**9:45 am - 11:00 am**

**ICUEE** **TH20**  
**Essential HDD Equipment Maintenance**

*Bob Evans, Vermeer Corp.*

As money for new rigs has gotten tighter, essential maintenance of drilling equipment has become even more paramount. This session will outline key maintenance points to ensure long life and productivity for your HDD equipment.

**ICUEE** **TH21**  
**Fleet Carbon "Footprint"**

*Speaker to be announced*

As global climate change becomes more apparent, fuel prices rise again and potential restrictions on carbon emissions emerge, fleets need to understand what methods are available to track and then reduce the amount of greenhouse gases they release, along with managing their criteria emissions, efficiency and energy use. This session will discuss how fleets can evaluate their 'carbon footprint' and develop a plan to reduce it – while managing or reducing their fleet costs - through the use of a variety of available fuels and drivetrain products.

**ICUEE** **TH22**  
**It's Getting Easier to Be Green**

*Martin Travers, Black & Veatch*

Adopting a sustainability definition for your organization is the foundational step in developing your business strategy. Learn about the solutions that build value by successfully integrating economic, community, and environmental needs.

**ICUEE** **TH23**  
**Financial Fundamentals**

*Pam Newman, Realizing Profitable Potential through Change, Inc.*

Business owners need to have a working knowledge and understanding of the financial aspects of running a business. In order to be successful the business owner must be guided by the financial health of the business to make savvy business decisions. There are a variety of key aspects of a financial picture that are essential to understanding the health of the business and they can be outlined based upon the three critical financial statements: Profit/Loss, Cash Flow, and Balance Sheet. You don't have to be an accountant or financial analyst, but it is important that you have some key skills in your business toolkit, to measure the financial aspects of your business. I provide business owners the tools to manage their businesses so that they may Realize Profitable Potential through Change of business practices that may have been less financially productive.

**11:30 am – 12:45 pm**

**ICUEE** **TH30**

**Renewable Energy**

**Status of Solar Energy as an Emerging Mainstream Power Resource**

*Ben Tansey, Wynoochee Resources*

Solar power has been on an achingly slow but steady pace to become a viable component of the US energy grid. Its current contribution remains miniscule but its prospects considerable. Recent economic and other conditions have clouded its short term future.

**ICUEE** **TH31**

**Equipment/Fleet  
Management**

**Fleet Process Reengineering: The 21st Century Approach to Best Practice Management**

*Maggie Laird, Laird Consulting*

Learn how to monitor you fleet health in five distinct areas. Mapping each area will show you how to identify dangerous operational and financial gaps within your operation. Approximately 80 % of fleets do not map and apply their processes and procedures consistently. Looking at your fleet operation using a Fleet Process Mapping (Band Charting) to identify problem areas, allows you to define the issues, and to suggest a better solution. Our approach saves lost time and dollars searching through processes which are not causing a problem, and focuses problem resolution efforts efficiently on those areas in question.

**ICUEE** **TH32**

**Gas**

**Gas Pipeline Integrity Management Program**

*Speaker to be announced*