



Sunday, January 29, 2012

Workshop 3 - Emerging Air Quality, Greenhouse Gas and Energy Requirements

Presenters:

Rich Pandullo, Managing Director, Trinity Consultants
Dr. John Fillo, Principal, Trinity Consultants
Allan F. Bedwell, Vice President and Director,
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Emerging Air Quality, Greenhouse Gas and Energy Requirements

Power generators are facing a tsunami of emerging new regulations that will affect their ability to operate cost-effectively. These include Federal Clean Air Act regulations - such as the GHG Tailoring Rule, Boiler MACT, and Clean Air Transport Rule – that will impose new emission limitations and operational restrictions on combustion sources. New requirements for power generators will also come from State and Regional programs - such as the California AB-32 rule, Western Climate Initiative, and Renewable Portfolio Standards - that will involve GHG emission limitations, market GHG reduction mechanisms, and alternative energy generation goals. With so many regulations hitting power generators in the same time frame, addressing the cost and operational impacts will undoubtedly be a significant challenge.

This workshop will review and assess the regulatory impacts of these new Federal and State regulations and provide attendees with tools and response strategies to improve the chances for survival. The workshop will:

- provide an update on the major federal and state regulations affecting power generators in the next two to five years;
- provide participants with a case study illustrating the NSR permitting process for new and modified power generating units;
- provide information on AB 32 and WCI-compliant offsets;
- discuss the impact of various state-level Renewable Portfolio Standards;
- discuss the growing use of biomass power generation projects;
- identify additional assessment and planning tools to evaluate impacts and the costs and benefits of various actions; and
- discuss strategies to successfully manage risks and opportunities presented by the confluence of all these regulations

Presenters:

Rich Pandullo is a Managing Director with Trinity Consultants and has 30 years professional experience covering a broad range of environmental management issues. During his career, he has had a special emphasis in the areas of air quality planning and permitting, climate change strategy & GHG emissions management, EH&S management systems implementation, and various types of auditing. In the industrial sector, Mr. Pandullo has assisted dozens of clients with programs related to GHG, PSD/NSR, Title V, State air toxics, EPA RMP, OSHA PSM, and RCRA regulations. On projects in the public sector, Mr. Pandullo analyzed emission control technologies for numerous industries and has provided advisement on air quality programs.

Mr. Pandullo is National Director of the Trinity's Sustainability & Environmental Management business line. In this role, he works with other senior Trinity colleagues to address client's technical support needs involving climate change strategy and GHG emissions management, environmental sustainability, and EHS management systems. On climate change project engagements, Mr. Pandullo provides support and advisement to clients for developing carbon management strategies, creating verifiable GHG inventories, identifying emission reduction projects, setting reduction targets, participating in voluntary registries, and publicly reporting emissions. He also helps companies identify and quantify GHG emission reductions and implement enterprise-wide data management solutions for tracking climate and energy related data.

John Fillo, PhD, is a Principal with Trinity Consultants and has over 30 years of international experience in the assessment, design and implementation of strategy and programs to improve enterprise risk management and business performance. His career has focused on climate change and sustainable development; EH&S permitting, compliance and risk management; environmental financial and managerial accounting; procurement contracting and sustainable acquisition; business process and performance improvement; and training program development and deployment.

Dr. Fillo's experience in sustainable development and climate change encompasses the evaluation of sustainable development reporting and programs for conformance with established frameworks (e.g., GRI, DJSI, SRI) and to identify improvement opportunities, including benchmarking with industry peers and leaders. He has over a decade of experience in providing expertise to and leading multidisciplinary teams for verification of Sustainability, EHS and operational data (including GHG and energy) reported worldwide by multinational companies in several industry sectors.

He has assessed carbon strategy, policy and implementation issues, and opportunities for Fortune 500 companies in the transportation, energy and utility, and pharmaceutical sectors, and has developed GHG Management Programs and GHG emission/carbon inventories (Scope 1, 2 and 3) for companies in the mining/metals, energy, consumer and industrial products, and chemicals industries, and the Federal government. Dr. Fillo evaluated U.S. emission trading systems as a basis for a European Ministry to establish a GHG trading system in their country, reviewing background, design and implementation for SO₂ Allowance, NO_x Budget, and California RECLAIM Programs. Dr. Fillo frequently presents and lectures on the topics of sustainable development reporting and verification, and corporate carbon strategy.

Dr. Fillo holds a Ph.D. and M.E. in Chemical Engineering from Carnegie-Mellon University and a B.E. in Chemical Engineering from Pratt Institute. He is a Certified Professional Environmental Auditor through the Board of EHS Auditor Certifications (BEAC) and a member of the BEAC Certification Committee, and a Lead Assessor in ANSI's GHG accreditation program. Dr. Fillo is a Vice President on the Pennsylvania Resources Council Board of Directors.

Allan F. Bedwell is Vice President and Director of CantorCO2e's Global Sustainability Strategies Group. CantorCO2e's Global Sustainability Strategies Group assists clients to build sustainable businesses by helping them develop and implement business strategies, understand and manage their risks, capitalize on opportunities, increase renewable energy use, improve energy and water efficiency, reduce emissions and water discharges and finance projects. The Group is assisting highly branded companies in the food and beverage, energy, petrochemical, automotive, entertainment, and manufacturing industries. Much of the Group's recent work has been assisting clients with preparing for climate change regulations, low carbon market standards, supply chain greening, renewable energy credit creation, and biomass supply.

Prior to joining CantorCO2e, Mr. Bedwell served as Principal with national environmental engineering firm, where he led the group's greenhouse gas, air quality and energy practice worldwide. He advised companies on strategies to manage their greenhouse gas emissions.

Before that he served in Florida Governor Jeb Bush's administration as Deputy Secretary for Regulatory Programs and Energy at the Florida Department of Environmental Protection, directing statewide regulation of air quality, water quality and waste management, as well as directing statewide energy policy. Mr. Bedwell's efforts led to the largest voluntary reduction of air pollution in Florida's history and a nationally recognized renewable energy program.

Mr. Bedwell was also formerly with the strategic consulting firm The Canyon Group Inc., specializing in international greenhouse gas management, carbon offsets, energy efficiency, power generation, and air pollution control as well as helping develop and manage the U.S. EPA's voluntary "Climate Wise" program for industry, the predecessor to the U.S. EPA's current "Climate Leaders" voluntary greenhouse gas management program.

Mr. Bedwell, earlier had been appointed to the administration of President George H.W. Bush, serving on the staff of the White House Council of Environmental Quality, where he worked on international climate change and energy policy. George H.W. Bush launched what many regard as the nation's most successful emissions trading program when he signed the 1990 reauthorization of the Clean Air Act. During the transition between the Bush and Clinton Administrations, Mr. Bedwell helped launch the President's Commission on Sustainable Development.