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# NAEM PRESENTS



## Corporate Climate Strategies: Implementing Best Practices in GHG Management and Energy Efficiency



June 3-4, 2008  
Hosted by Millipore Corporation  
Boston, MA





## Workshop Overview

Given the rise in energy costs and the mounting attention to global climate change, Environmental and EHS leaders are increasingly asked to develop and implement focused programs and initiatives to address these challenges. NAEM's Corporate Climate Strategies workshop has been designed to give you practical knowledge on how to measure and reduce your organization's carbon impact through a variety of leading energy efficiency and GHG reduction strategies.

You'll gain insight into a broad range of implementation approaches and resources as well as get an overview of the key players and voluntary initiatives. This workshop brings together EHS, Sustainability and Energy Management professionals from industry, governments, universities and the NGO community to learn about and discuss best practices in corporate energy and GHG management.

NAEM is a non-profit professional development association of EHS and Sustainability Professionals.

Millipore Corporation is a leading life science manufacturing organization dedicated to helping research and biopharmaceutical firms discover and produce therapeutic solutions to the world's most complex health issues. Millipore Corporation is based in Billerica, MA, with more than 6,100 employees in 47 countries worldwide. It has been a sponsor organization of NAEM since 1999.

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## June 3, 2008

### Conducting a Greenhouse Gas Inventory and Setting Reduction Goals

- > 7:45 – 8:30 am **Registration and Breakfast**
- > 8:30 – 9:00 am **Welcome and Introductions**
  - > David Newman, Director of Sustainability, Millipore
  - > Carol Singer, Executive Director, NAEM
- > 9:00 – 9:30 am **Opening Keynote**

**Martin Madaus, PhD, Chief Operating Officer**  
Millipore Corporation  
*Corporate Sustainability at Millipore*
- > 9:30 – 11:15 am **9:30 – 10:00 am Briefing: Understanding Key Greenhouse Gas Policy Developments**
- 10:00 – 11:15 am **Key Steps and Considerations for Conducting a Corporate Greenhouse Gas Inventory**

Gain a basic understanding of the key steps in conducting a greenhouse gas inventory. This session will provide guidance on determining what emissions (direct and/or indirect) to include, best practices for data collection and management, and tips for how to maintain and evolve inventory management processes.

  - > Michael Gillenwater, Dean, GHG Management Institute
  - > Tom Baumann, Director of Professional Programs, GHG Management Institute
- > 11:15 – 11:30 am **Break sponsored by** **ARCADIS**  
*Infrastructure, environment, facilities*
- > 11:30 am – 12:00 pm **Special Address**

**The Honorable Ian Bowles, Secretary**  
Energy and Environmental Affairs, Commonwealth of Massachusetts
- > 12:00 – 1:00 pm **Lunch sponsored by** **EDSG**  
*Environmental Data Solutions Group, LLC*
- > 1:00 – 2:15 pm **GHG Inventory Management: Lessons Learned and Best Practices from Corporate Leaders**

**Moderator: Dr. Paul Fennelly, Senior Vice President, ENSR**

Data gathering is critical to the success of any corporate GHG program. Get insights from companies who've completed a thorough and successful GHG inventory. Speakers will share practical, experience-based lessons learned and process dos and don'ts that attendees will be able to apply to their own programs.

  - > Roberta Macklin, Environment and Engineering Services Manager, Avery Dennison
  - > Rebecca L. Thoburn, Green IT Global Marketing Manager, Dell Inc.
  - > Mr. Lin Longshore, Vice President Environmental Compliance, Safety-Kleen
- > 2:15 – 3:15 pm **Goal Setting: Deciding on Your Reduction Target**

Hear candid discussion and best practice approaches from two leading companies on how they determined their GHG reduction targets. Panelists will share insights on the key decision factors and thought processes that went into developing their public carbon reduction commitments.

  - > Bella Tonkonogy, Program Manager, EPA Climate Leaders
  - > Jere Zimmerman, Director Corporate EHS, Molson Coors Brewing
  - > Christine Visnic, Director, Air Network Programs, Global EHS Operations, Pfizer
- > 3:15 – 3:30 pm **Networking Break sponsored by** **EarthTech**  
*A Tyco International Ltd. Company*

> 3:30 – 5:00 pm

### Resource Café

In this session, attendees will have the opportunity to engage in informal dialogue with a variety of resource providers from government, the NGO community and the private sector, and to learn more about the tools and initiatives available to support their GHG and energy reduction efforts.

**Invited Resource Providers include:** 3 Degrees, Borrego Solar, Carbon Disclosure Project, CDM, Dell Energy Smart, EPA Climate Leaders, EnerNOC, ENSR \ AECOM, and the GHG Management Institute

> 5:00 – 5:30 pm

### Day 1 Closing Remarks

> 6:15 – 7:15 pm

### Networking Reception, Bedford Glen Hotel

sponsored by



## June 4, 2008

### Turning Data into Action: Taking Steps to Reduce Energy and Carbon Emissions

> 7:30 – 8:15 am

### Opening Remarks

Breakfast sponsored by



> 8:15 – 9:30 am

### Overview of Key Reduction Approaches

Learn ways to reduce your GHG impact through projects within your operations, such as on-site renewables and green building design as well as approaches to further offset your carbon footprint through verified emission offsets and renewable energy credits. This session will provide a general overview of key approaches companies are taking in their efforts to minimize their GHG emissions and energy usage.

### > Energy Efficiency, Renewable Energy

**Rich Costello, Partner, Acela Energy Group, Inc.**

### > Green Building and Design

**Dan Perruzzi, Principal Architect, Margulies & Associates**

### > Renewable Energy Credits & Carbon Offset Projects

**Dan Kalafatas, President, 3 Degrees**

> 9:30 – 11:45 am

### Best Practices in Corporate Climate and Energy Management

**Moderator: Allan F. Bedwell, Principal, CDM, Inc.**

From mechanical system redesign to on-site renewable energy projects, hear from corporate leaders who've made measurable progress in reducing their climate and energy impacts. Speakers will share specific approaches, insights on what worked and what didn't, and provide clear metrics on reductions achieved.

> Paul Lukitsch, Regional Facilities Manager, Millipore

> David Chamberlain, P.E., C.E.M., Principal Energy Engineer, Raytheon

> Sean West, EHS Project Manager, United Technologies Corporation

> 11:45 am – 12:45 pm

### Lunch Keynote

> Tiffany Ryan, Senior Eco Practice Consultant, Sun Microsystems

> 12:45 – 1:00 pm

### Closing Remarks & Adjournment

## Day 2 Millipore Tours

> 1:30 – 3:30 pm

### Hands-On Look at Millipore GHG and Energy Efficiency Projects

Millipore invites all attendees to stay and participate in a variety of project tours.

See side bar for further details.



## Hands-On Projects

### June 4, 2008

> 1:30 – 3:30 pm

### Hands On Look at Millipore GHG Reduction and Energy Efficiency Projects

Following lunch on June 4th, attendees will have the opportunity to join a series of hands-on tours of a variety of GHG Reduction and Energy efficiency projects at Millipore. Millipore engineers and project leaders will be on hand to answer questions and share insights into the development and key success factors of these projects.

#### Projects and Tour Leaders:

- > **Compressed Air** – Learn how Millipore dramatically cut electricity consumption through evaluation and control of generation and supply side equipment, while carefully not impacting tightly controlled manufacturing equipment.
  - > Jeff Wright, Compressed Energy & John Burns, Equipment Support Engineer, Millipore
- > **Demand/Response Project** – Discuss opportunities to utilize existing backup generation capacity, and also provide voluntary demand reduction to provide support to the grid. Successful implementation provides both environmental and financial benefits.
  - > David Wells, EnerNOC & Mike Campaiola, Electrician, Millipore
- > **Fleet Management** – Learn how Millipore improved its fleet vehicles to top rated hybrid fleet cars, incentivized employees to switch to more environmentally friendly vehicles, and is reducing expenses, gasoline, and greenhouse gases in the process.
  - > Tom Hartner, Procurement Manager, Millipore
- > **Energy Efficiency through Green Building, Heat Recovery and Mechanical Design** – Visit and see how mechanical and electrical improvements improved buildings and quickly reduced electricity demands. Visit a demo of Millipore's new distribution center lighting to see how it achieved a less-than-1-year return on investment.
  - > Paul Lukitsch, Regional Facilities Manager for Millipore & Norm Delorey, Project Manager, Millipore