What is Climate Leadership: Examples and Lessons Learned in Organizational Leadership

Thursday, April 11, 2013

Presented by:
Melissa Klein, U.S. EPA
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Guest Speakers:
Lisa Friend, Sustainability Planner, Boulder County, CO
Marty Sedler, Director, Global Utilities and Infrastructure, Intel

Supporting organizations in GHG measurement and management • www.epa.gov/climateleadership
Webinar Agenda

• About EPA’s Center for Corporate Climate Leadership
• What is Climate Leadership
• Organizational Leadership: Climate Leadership Award winner guest speakers
  – Dan Kreeger (moderator), Executive Director, Association of Climate Change Officers
  – Lisa Friend, Sustainability Planner, Boulder County, CO
  – Marty Sedler, Director, Global Utilities and Infrastructure, Intel Corporation
• Q&A
EPA’s Center for Corporate Climate Leadership

Mission: to establish norms of corporate climate leadership by encouraging organizations with emerging climate objectives to identify and achieve cost-effective GHG emission reductions, while helping more advanced organizations drive innovations in reducing their GHG impacts and embed their climate leadership activities into their supply chains and beyond.
• A resource launched in 2012 to support organizations of all sizes in measuring and managing GHG emissions.
• Provide technical tools, ground-tested guidance, educational resources, and opportunities for information sharing (e.g., Webinars) and a platform for peer exchange.
• Promote practices and innovative approaches drawing upon the successes of Climate Leadership Award recipients and former Climate Leaders partners.
• Support the implementation of E.O. 13514.
The Center’s website provides **tools and guidance** to support organizations at all points of entry in the GHG management process—from initial GHG inventories and goal setting through supply chain initiatives:

- Methodological guidance on developing a company-wide GHG inventory
- Tools that help calculate a company’s carbon footprint, identify GHG reduction sources, and track progress
- A GHG benchmarking tool to help organizations evaluate and establish existing or new GHG goals that go beyond “business as usual”
- Links to EPA’s climate partnership programs
Climate Leadership Awards

– Co-sponsor Awards with the Association of Climate Change Officers, the Center for Climate and Energy Solutions (C2ES), and The Climate Registry.

– Awards recognize exemplary corporate, organizational, and individual leadership in addressing climate change.

EPA is also the headline sponsor for the Climate Leadership Conference.
WHAT IS CLIMATE LEADERSHIP?

WEBINAR SERIES
What is Climate Leadership?

• EPA and its Climate Leadership Awards program co-sponsors are focused on this important topic.
• We want to identify and highlighting the best practices for climate action— including GHG mitigation and climate adaptation.
• We believe the practices that we will discuss today and future webinars in this series are examples of climate leadership.
The CLA program criteria emphasize the manifestations of climate leadership upon which we judge applicants:

- Transparency and disclosure of climate risks and opportunities
- Engaging, educating, and training internal and external stakeholders
- Innovation and thought leadership in developing new management and operational strategies
- Strong governance structures and strategic integration of climate action in enterprise strategies, management structures, etc.
- Quality partnerships that aggregate interests and create a sum that is greater than the efforts of the individual parts

The CLA winners highlight what are current and future best practices.
Some of those current best practices include:

- Transparent disclosure of verified/audited corporate-wide GHG emissions by scope
- Communicate GHG emissions data through a sustainability report, third-party registry filing, and/or a response to a survey
- Third-party verification/auditing to a “limited” level of assurance (or have received a critical review)
- Absolute GHG reduction goals that go well beyond sector-specific business-as-usual forecasts
- Establishing green teams and engaging communities
- Addressing risk in and footprint of the supply chain
The Next Best Practices

• The organizations we have recognized are also:
  – Achieving 2\textsuperscript{nd} and 3\textsuperscript{rd} generation goals
  – Setting goal(s) for scope 3 supply chain GHGs emissions and product GHG emissions
  – Third-party verification consistent with ISO 14064-3, conducted by an accredited verification body, and performed to a “reasonable” level of assurance
  – Establishing & improving the case for new mitigation pathways
  – Climate risk management and adaptation
  – Alignment of climate action with organizational mission
• There is an urgent need to respond to climate change.
• Because our awards program happens only once a year, we want to engage with you more on lessons learned about climate leadership best practices and next steps.
• Future webinars in this series will address:
  – What is Climate Leadership: Lessons Learned in Supply Chain Management (May 9, 2013)
  – Navigating Climate Leadership Awards applications; demonstrating leadership and pushing innovations within companies; procuring renewable energy; and more.
• We also invite suggestions and ideas for future webinars.
Climate Leadership: Examples and Lessons Learned

April 11, 2013

Lisa Friend
Sustainability Planner
Boulder County, CO
Boulder County, Colorado

Photo from Boulder County files
Multiple Climate Initiatives

- Sustainable Energy Plan
- BetterBuildings Neighborhood Program grant
- Zero Waste Action Plan
- Climate Change Preparedness Plan
Voluntary Kyoto Protocol compliance

- Energy Efficiency Upgrades
- Alternative Transportation Projects
- Solar PV Installations
- Building Code Requirements

Photo from Boulder County files
Goals are ambitious:

- 7% below 1990 levels
- vs. 85% above levels
- Result: a 92%

Photo from Boulder County files
Sustainable Energy Plan

- Land Use Policies
- Trip Reductions
- Low-Emission Vehicles
- Renewable Energy
- Building Codes
Sustainable Energy Plan

- Land Use Policies
- Trip Reductions
- Low-Emission Vehicles
- Renewable Energy
- Building Codes

Photos and Graphic from Boulder County files
Sustainable Energy Plan

- 35 Strategies
- 1.3 million MTCE goal
Success with Local Partnerships

- CU / Boulder Solar Lights
- Lafayette Solar Lights
- Louisville Recreation Center
- Jail Heating Project
- Lyons Main Street
- Superior Parking

Photo from Boulder County files
Possible Climate Change Impacts

- Wildfire
- Floods
- Drought
- Heat

Photos from Boulder County files
Mitigation Efforts and Successes

- Internal audits
- Lighting efficiency
- Building controls upgrade
- HVAC improvements

Since 1990, the County has added 40% more building square footage but has kept GHG emissions constant at 1990 levels.
“Zero Waste or Darn Near”

72% diversion at measured buildings

- Recycling
- Composting
- Electronics
- Hazardous Materials
- Books
- Shredded Confidential Materials

County-run recycling enterprise

Photo from Boulder County files
Climate Preparedness Plan

- Disaster Recovery Plan
- Coordinated Water Discussions
- Wildfire Protection Staff
- Extreme Heat Plan

Photo from Boulder County files
Environmental Sustainability Plan

- Climate
- Energy
- Buildings

Goal: Climate neutrality within government operations
Thank You!

Lisa Friend
Sustainability Planner

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Climate Leadership Webinar

EPA Center for Corporate Climate Leadership

• Marty Sedler
• Intel
• Director, Global Utilities/Infrastructure
• April 11, 2013
Intel Corporation: The World’s Largest Semiconductor Manufacturer

- Near $43B
- 63 Countries
- ~300 facilities

- >100,000 Employees

- Customers, ~120 Countries

- ~$16B Supply Chain
- 10,000+ Suppliers

- Top 10 Brand

- Long History of Sustainability and Transparency

4/11/2013 Climate Leadership
Intel’s Vision

This decade we will create and extend computing technology to connect and enrich the lives of every person on earth.
Our Global Strategic Objectives

Use our unmatched employee talents, manufacturing, technology, and brand strength to:

- Grow PC and Datacenter business with new users and uses
- Extend Intel Solutions to win in adjacent market segments
- Create a continuum of secure, personal computing experiences
- Care for our people, the planet, and inspire the next generation
Products

Building more energy efficient compute capacity for the next billion PCs/servers

Less power, more powerful

1st billion installed base

- Energy Used: 320 TeraWatt-hr
- Compute Capacity

1980 → 2007

2nd billion installed base

- Energy Used

2007 → 2014

17x Compute capacity available to build smarter societies
Technology and the Environment

Drive Computing to Be More Energy Efficient

~2% Opportunity

Use Computing to Improve Energy Savings
Outside Information and Communications Technology

98% The Big Opportunity
Q&A
Contact Us

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