

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

Thursday, April 11, 2013

Presented by:

Melissa Klein, U.S. EPA

Matt Clouse, U.S. EPA

Daniel Kreeger, ACCO

Guest Speakers:

Lisa Friend, Sustainability Planner, Boulder County, CO

Marty Sedler, Director, Global Utilities and Infrastructure, Intel



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



About the Center

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.



About the Center

- 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.



About the Center

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

About the Center

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.



Climate Leadership Awards

- 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.



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 2nd and 3rd 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



Looking Beyond the Awards

- 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



Photo from Boulder County files

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



Photo from Boulder County files

Sustainable Energy Plan

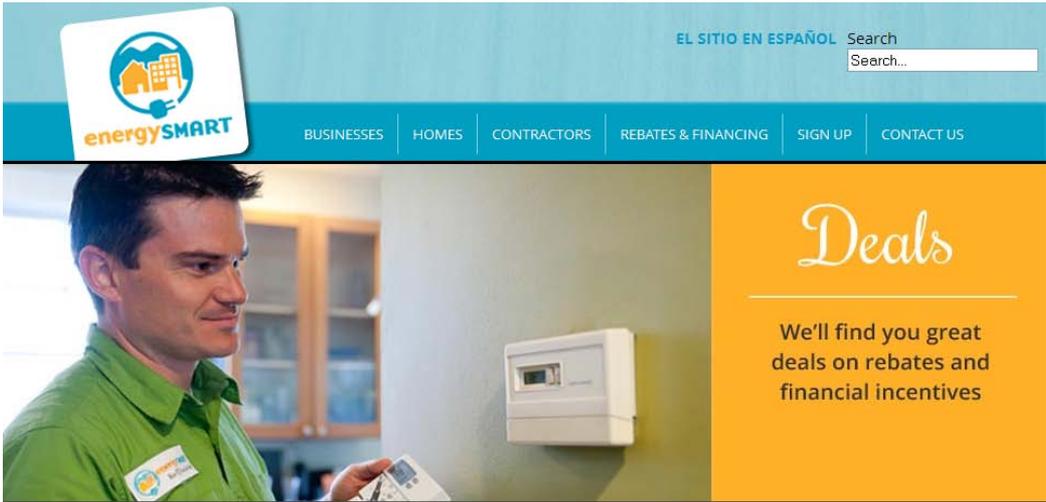
- Land Use Policies
- Trip Reductions
- Low-Emission Vehicles
- Renewable Energy
- Building Codes



Photos and Graphic from Boulder County files

Sustainable Energy Plan

- 35 Strategies
- 1.3 million MTCE goal



Home

EnergySmart helps homes and businesses in all Boulder County communities become more comfortable and energy efficient. An expert Energy Advisor can answer your questions, help prioritize projects, connect you with qualified contractors, find and apply for rebates and low-cost financing, and make energy upgrades easier and more affordable!

ENERGYSMART - A STEAL OF A DEAL!



PARTICIPANTS SHARE EXPERIENCE



SUCCESS

-  **BUSINESSES SERVED:**
2,552
-  **BUSINESSES REBATES GIVEN:**
\$1,307,920
-  **HOMES SERVED:**
8,959

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.



Photo from Boulder County files

“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

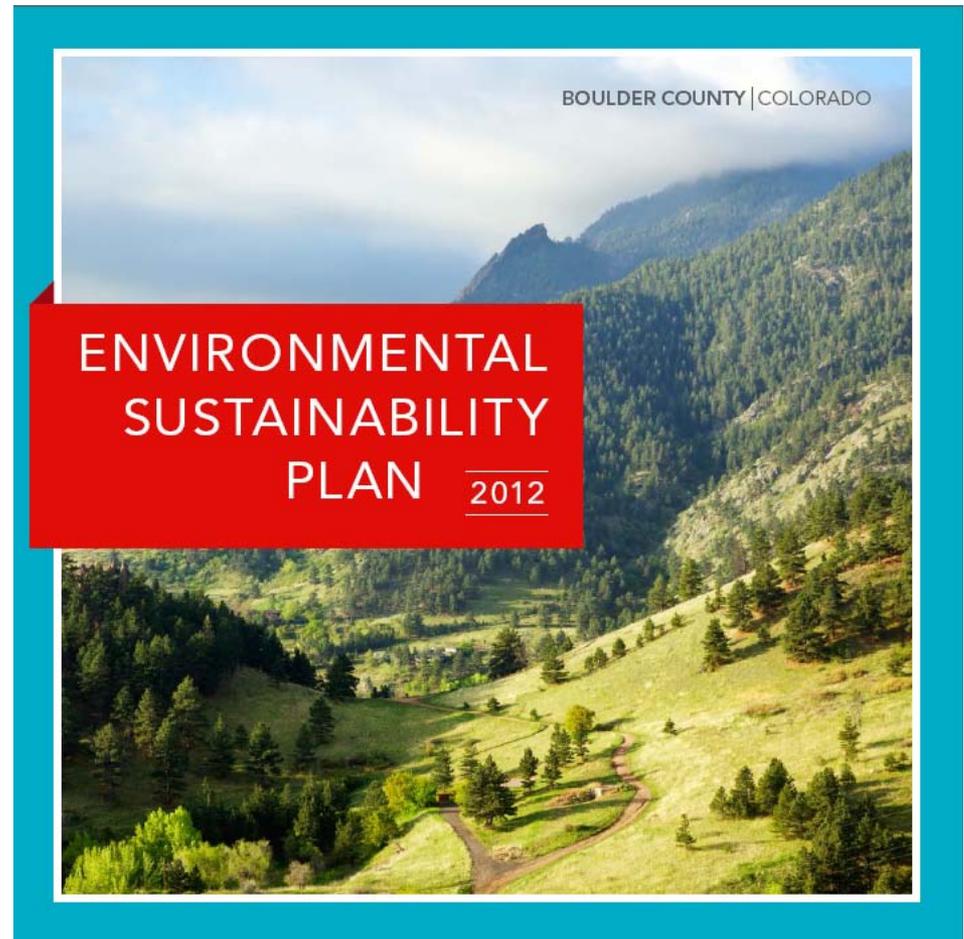


Photo from Boulder County files

Thank You!

Lisa Friend
Sustainability Planner

Boulder County, Colorado

303-441-3522

lfriend@BoulderCounty.org

www.bouldercounty.org





Climate Leadership Webinar

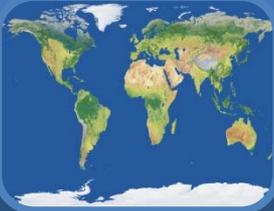
EPA Center for Corporate Climate Leadership

- Marty Sedler
- Intel
- Director, Global Utilities/Infrastructure
- April 11, 2013



Intel Corporation:

The World's Largest Semiconductor Manufacturer



Near \$43B
63 Countries
~300 facilities

Customers,
~120 Countries



>100,000
Employees

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



Top 10 Brand

Long History of
Sustainability and
Transparency



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

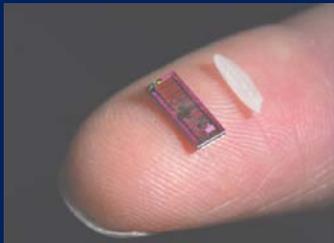
Extend Intel Solutions to win in adjacent market segments

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



1980 → 2007



2007 → 2014

Technology and the Environment

Drive Computing
to Be More
Energy Efficient

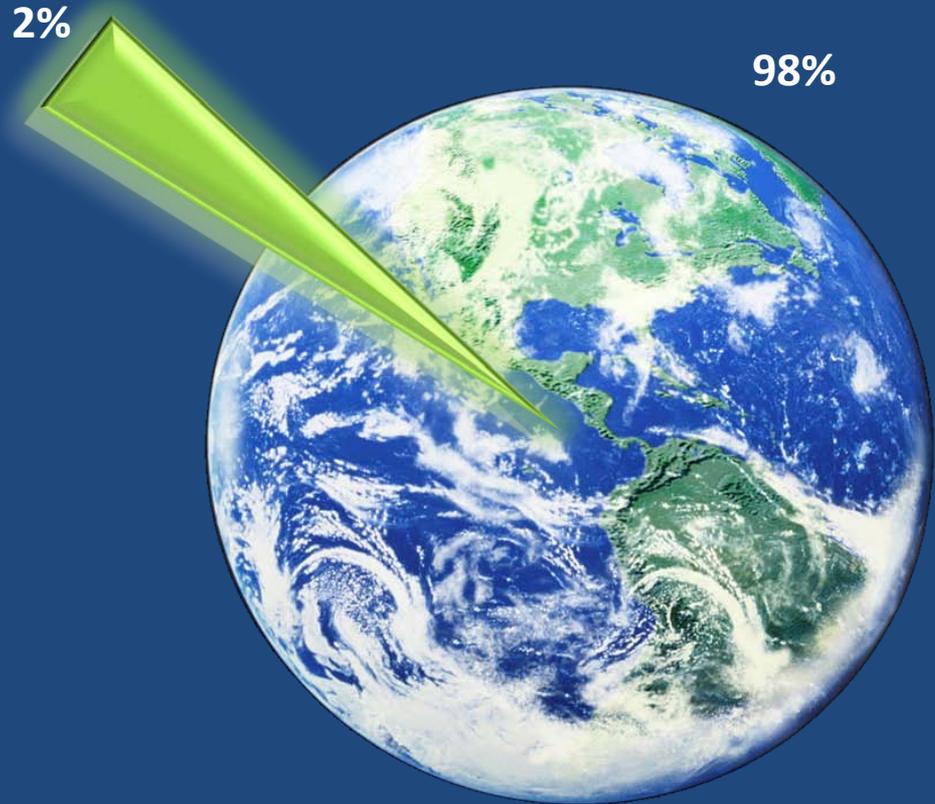
~2%

Opportunity

Use Computing to
Improve Energy Savings
Outside Information and
Communications
Technology

98%

The Big Opportunity





Q&A



Contact Us

Melissa Klein

Communications Director

Center for Corporate Climate Leadership, U.S. EPA

(202) 343-9207

klein.melissa@epa.gov

Matt Clouse

Director

Renewable Energy Policy and Programs, U.S. EPA

(202) 343-9004

clouse.matt@epa.gov

For more information, visit www.epa.gov/climateleadership

Follow us on Twitter: @EPAClimateCTR