CLIMATE LEADERS

SETTING THE STANDARD IN GREENHOUSE GAS MANAGEMENT

Introduction to the Climate Leaders Program: For Low Emitter Partners







Webinar Agenda

Introduction to the Climate Leaders program Recognition opportunities **Inventories** Timeline for task completion Reporting to EPA Set a GHG Reduction Goal & Track Progress Questions







EPA Climate Leaders



- Largest corporate greenhouse gas goal-setting program, with over 8% of U.S. GHG emissions
- Total annual U.S. revenue of the partnership represents 10% of the U.S. Gross Domestic Product
- Goals pledged in program reduce annual emissions equivalent to 9 million cars
- Over 200 Partners of all sizes in many sectors, with operations in all 50 states
- Climate Leaders started in 2002 with 11 charter partners
- Related EPA programs for small businesses:
 - Energy Star: www.energystar.gov
 - Green Power Partnership: www.epa.gov/greenpower
 - Business Guide to EPA Climate Partnerships



Climate Leaders for Low Emitters



- Growing interest by small businesses wishing to take action on climate prompted us to create simpler, non-technical tools specially designed for your needs
- Low emitters are defined as office-based organizations, suppliers to Climate Leaders Partners, and public institutions such as government agencies and universities
- Low emitters typically have total corporate-wide emissions equal to less than 10,000 metric tons of CO₂-equiavalent
- Tools are divided into four steps that you can tackle or delegate at your convenience:
 - Get started
 - Calculate GHG Emissions
 - Create an Inventory Management Plan
 - Set a Reduction Goal & Track Progress
- Technical help is provided



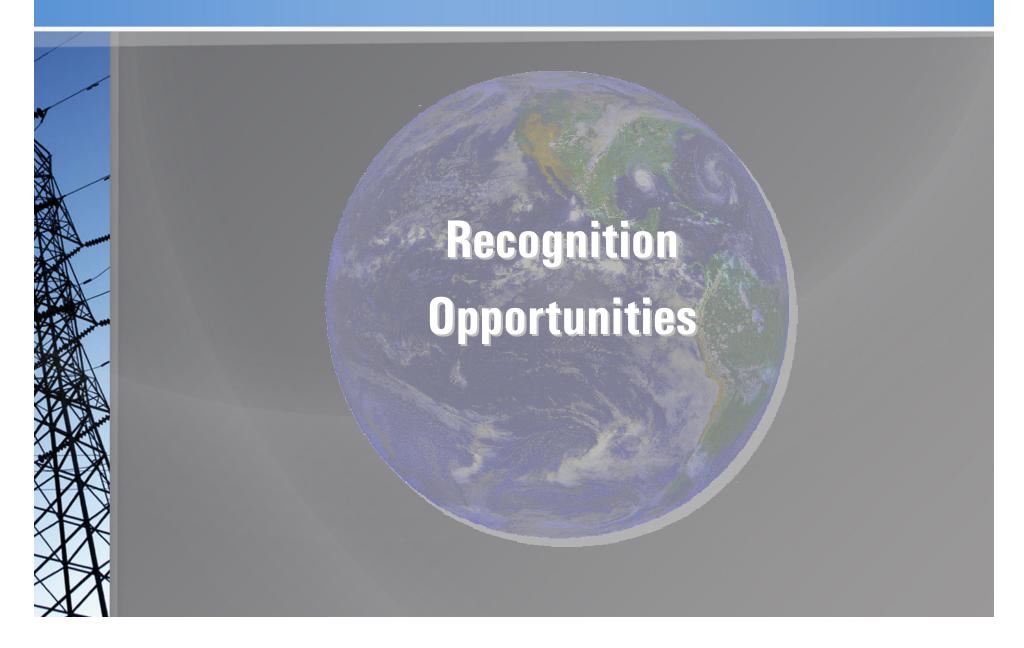
Getting Started in the Program



- Partnership Agreement
- Kick off webinar (Partnership effective upon completion)
- Send in response to information request for web site, receive logo and technical assistance info
- Start using tools:
 - Low Emitter Guide to Reducing Greenhouse Gas Emissions
 - Inventory Calculator for Low Emitters
 - Inventory Management Plan (IMP) for Low Emitters

www.epa.gov/climateleaders/resources/lowemitters.html







Outreach & Recognition for Partners

Partner profile on web page

Logo use with permission Corporate-wide, not product specific

EPA & Partner press releases

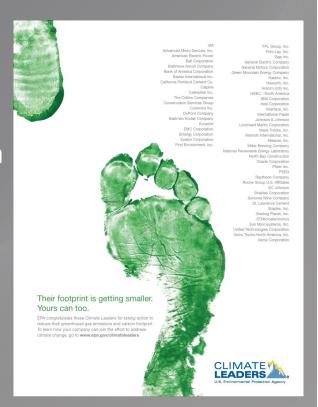
Public Service Announcements (PSA) 2007-8 campaign audience of 6 million in Forbes, Kiplingers, Audobon, Fast Company

Special advertising opportunities

Co-marketing ideas welcome

November 2009 Partners Meeting Washington DC?

www.epa.gov/climateleaders/communications





Program Participation Steps

Partner Joins Program



EPA assists Partner in developing inventory and inventory management plan (typically around 6 months)

Partner sets corporate wide 5-10 year GHG reduction goal, domestic or global

Partner may participate in meetings, public outreach, press events, etc.

Partner reports annual inventory data to EPA and documents progress toward goal



Partner Achieves Goal







Credible Corporate Climate Strategy



Climate Leaders works with companies to develop a long - term comprehensive GHG management strategy

- Road-tested with over 200 partners from every major sector across the country
- 3 critical components to credible strategy
 - Component 1: Complete Corporate-Wide GHG Inventory
 - Component 2: Develop Inventory Management Plan (IMP)
 - Component 3: Set Aggressive Corporate-Wide GHG Reduction Goal
- Annual reporting to EPA creates lasting record of accomplishments and identifies company as corporate environmental leader



Step 1 - Get Started

Basics of a Climate Leaders GHG Inventory



A GHG inventory lists all emissions sources and associated emissions quantified using standardized methods. Climate Leaders uses the International WRI/WBCSD GHG Protocol

- Required Sources
 - Corporate-wide (all U.S. operations)
 - 6 major GHGs
 - Direct emissions
 - Indirect emissions from electricity, heat, and steam
- Optional Sources
 - International operations
 - Offset projects
 - Employee travel and commuting
 - Product transport



Step 1 - Get Started

Develop Inventory: Organizational Boundaries



Which facilities should you include?

- Equity Share Approach- by ownership, or
- Control Approach- by control
 - Financial control versus operational control

Approach matters most for treatment of partially owned or operated facilities (joint ventures, subsidiaries) and for lease agreements



Step 1 - Get Started

Develop Inventory: Operational Boundaries



Which sources of emissions should you include?

- Stationary Combustion of fossil fuel HECS
- Process emissions (typically not applicable to low emitters)
- Mobile Sources
 - Refrigeration/AC
- Purchased electricity or steam
- Other Sources: backup generators, fuel for heating, corporate aircraft, anaerobic wastewater treatment.
- Optional Sources (e.g., business travel)



Step 1 – Get Started

Develop Inventory: Choose a Base Year



What should be the base year?

- Typically the most recent year for which comprehensive data is available
- Base year Adjustments:
 - Acquisitions/divestitures: Adjust your base year data when these occur
 - Organic growth/decline: Do not adjust your base year data



Step 2 – Calculate Emissions

How to calculate emissions?

Partners should use the EPA Climate Leaders Inventory

Calculator for Low Emitters

- Based on Climate Leaders guidance documents
- Calculates corporate-wide **GHG** emissions
- Includes calculation methods for optional sources



ulator is designed as a simplified calculation tool to help organizations in estimating their green gas (GHG) emissions for reporting to the EPA's Climate Leaders program. All methodologies and default values provided are based on the most current Climate Leaders Greenhouse Gas Inventory Protocol guida values provided are based on the most current climate Leaders Greenmouse Gas inven The calculator will determine the direct and indirect emissions from all sources at a cor activity data is entered into the various sections of the workbook.

- (A) Click on the grey boxes below to go to the appropriate Tool Sheet.
 (B) Enter data in Tool Sheet in ORANGE cells only. Final GHG emissions will be provided in CQ equivalent emissions.
- in BLUE or GREEN cells. If data is not known or applicable, leave default value (blank, zero or other) in cell. (C) Enter data in appropriate units, if needed convert units prior to entering into tool.
- (D) Guidance for each calculation method is provided in the references at bottom of each sheet

Direct 1.0	Direct Emissions from Stationary Combustion Sources - Traditional Sources
Direct 2.0	Direct Emissions from Mobile Sources
Direct 3.0	Direct Emissions from Refrigeration and Air Conditioning Equipment
Direct 4.0	Direct Emissions from Fire Suppression Equipment
Direct 5.0	Direct Emissions from Stationary Combustion Sources - Gas Waste Streams
Indirect 1.0	indirect Emissions from Purchase of Electricity
Indirect 2.0	Indirect Emissions from Purchase of Steam
Optional 1.0	Optional Emissions from Business Travel
Optional 2.0	Optional Emissions from Employee Commuting
Optional 3.0	Optional Emissions from Product Transport
Conversion Factors	Useful Conversion Factors

Tool release date: July 1, 2008



Step 3 – Create an IMP



What is an Inventory Management Plan?

- An Inventory Management Plant (IMP) is a Partner developed collection of standard operating procedures that documents the inventory development process for EPA
 - EPA provides checklist of components for good IMP to use as guideline when preparing documentation
 - EPA offers a streamline IMP for low emitter Partners
 - EPA offers technical assistance to help companies complete IMP documentation



Step 3 – Create an IMP Benefits of an IMP



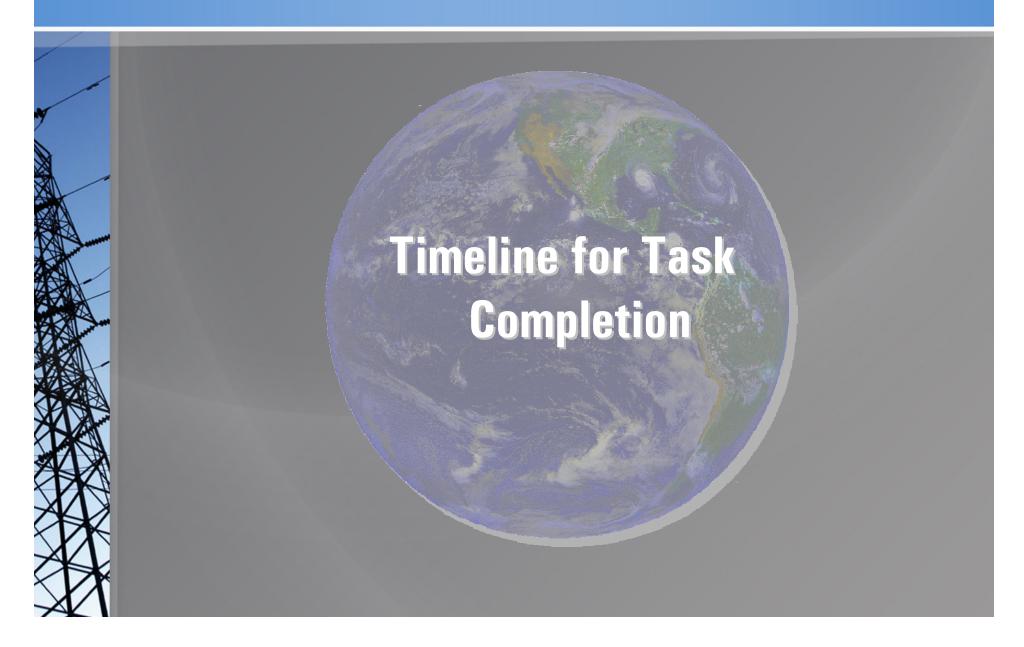
- EPA review of a company's IMP provides assurance that Partners develop a high-quality inventory that is consistently maintained and updated over time
 - Institutionalizes inventory process
 - Leads to comprehensive & credible data management
 - Increases efficiency/lowers costs by centralizing processes
 - Increases accuracy and transparency
 - Facilitates long-term emissions/goal tracking
 - Facilitates documentation of capital savings
 - Allows for continual improvement



Step 3 – Create an IMP Ensuring Credibility

- EPA technical assistance for inventory/IMP development and review process- Up to 5 hours
- Desktop reviews of corporate level inventory data and how IMP components are addressed
- Final review of IMP
- Climate Leaders does not offer third-party verification, but meeting reporting requirements will ensure that credible/verifiable inventory process is in place
 - Third-party verification option (must meet same criteria as Climate Leaders reporting requirements)







Year 1 (Base Year Data)

Partner Joins Climate Leaders

EPA Provides Technical Support on Inventory and IMP as Needed

Partner Submits Draft IMP Documentation and Draft Inventory Summary for Review

EPA Conducts Desktop Review of Corporate Level Data and Offers Desktop Review of Facility Level Data

Feedback on Draft IMP Documentation and Draft Inventory Summary Provided to Partner

Final IMP Review

Feedback on Final IMP Review Provided to Partner

Partner Makes Any Appropriate Changes and Submits Final Base Year Inventory Summary and IMP Documentation

Kick Off Call

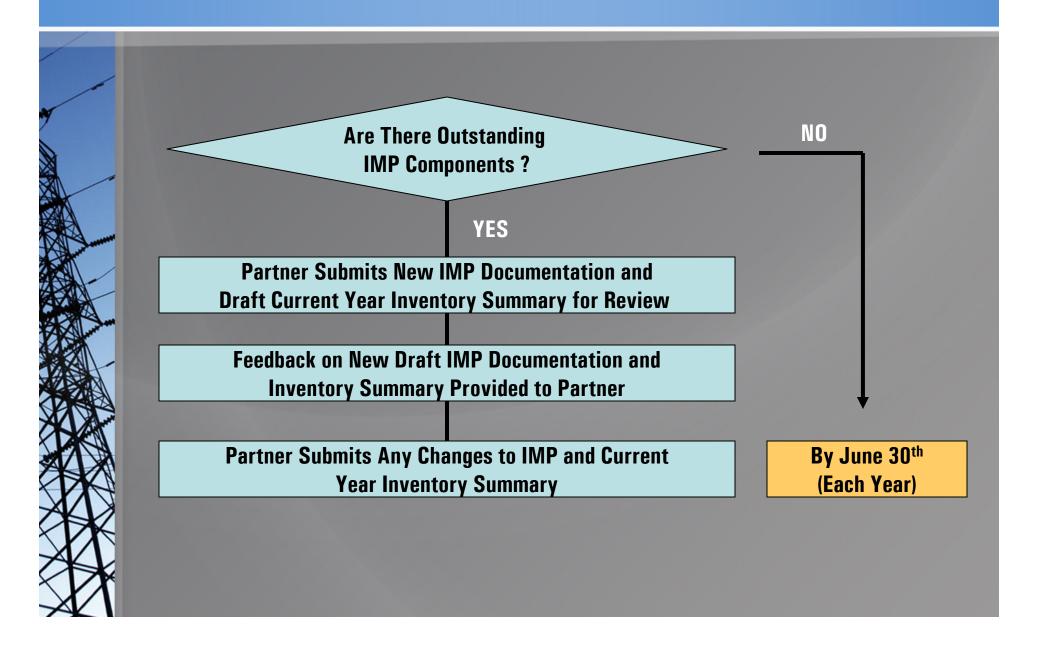
Within 5 Months

Within 6 Months

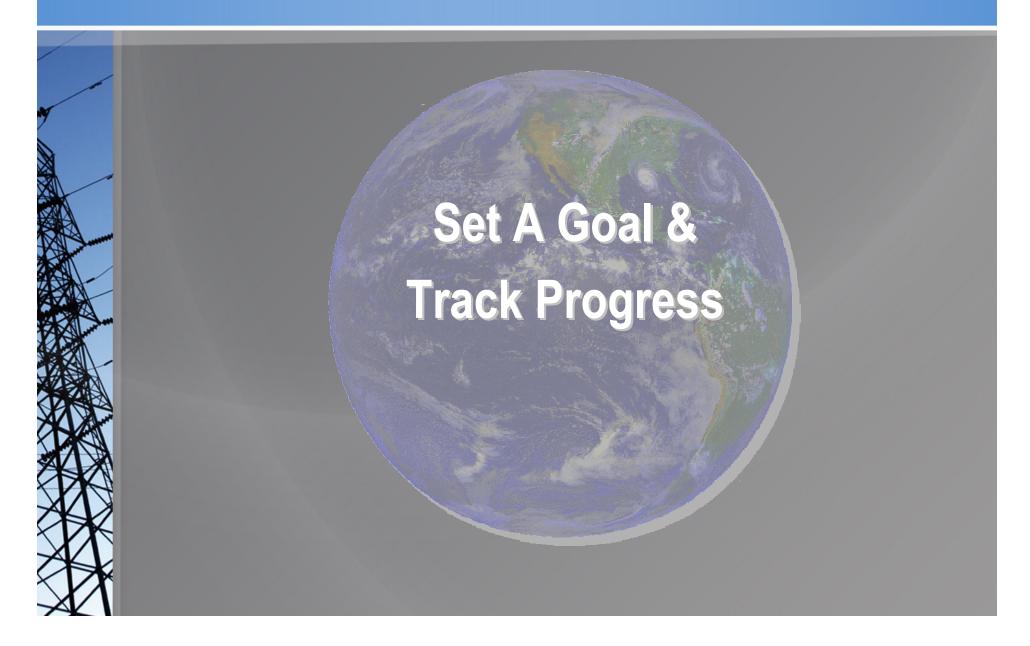
Within 2 Weeks
After Final Review



Year 2 Through Goal Year





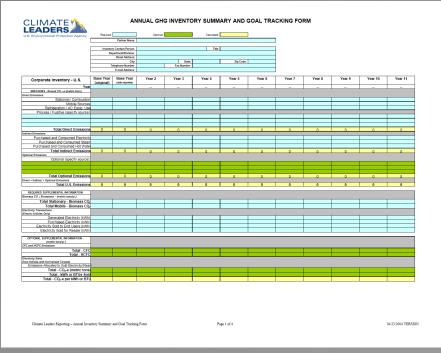




Step 4 – Set a Goal & Track Progress Reporting to EPA

What are the reporting requirements?

- Partners report their base-year emissions to EPA
 - Emissions are reported at a corporate-wide level using the Climate Leaders inventory reporting form
 - GHG emissions are reported in terms of CO_2 -equivalent emissions
- Partners provide EPA
 a copy of their final IMP
- Partners provide annual updates to inventory
- Partners provide IMP updates as necessary





Step 4 – Set a Goal & Track Progress Set long-term GHG reduction goal



About half of Partners have already set reduction goals, others completing inventories before announcing

- Absolute Goal
 - Sonoma Wine Co. to reduce U.S. GHG emissions by 15% from 2005 to 2010
- Normalized Goal
 - Lincus Inc. to reduce U.S. GHG emissions by 30% per square foot from 2006 to 2011
- Net Zero ("Carbon Neutral")
 - 3Degrees to achieve net zero U.S. GHG emissions by 2007 and maintain that level through 2012



Step 4 – Set a Goal & Track Progress Ensuring leadership goals



Goal Criteria

- Corporate-Wide (including at least all U.S. operations)
- Based on the most recent base year for which data are available
- Achieved over 5 to 10 years
- Expressed as an absolute GHG reduction or as a decrease in GHG intensity
- Aggressive compared to the projected GHG performance for the sector



Step 4 – Set a Goal & Track Progress Ensuring leadership goals



Goal Development Process

- Partner proposes a reduction goal using the "Goal Proposal Template", on the Low Emitters page of the Climate Leaders website
- EPA evaluates goal
- If goal does not meet Climate Leaders' criteria, Partner reassesses opportunities and proposes a new goal



Innovative Climate Leaders Partners' Projects



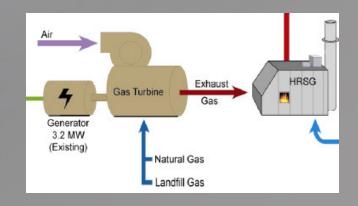
- Energy and Climate
- Alternative Fibers
- Bank of America
 - LEED Projects
 - Server and Network
 Systems Review
 (Automated Shut-offs, Unplug Unused Servers, Advanced Cooling)
- SC Johnson
 - Methane Cogeneration Plant













Thank You and Welcome to Climate Leaders!

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