

GHG Baseline Tool and Goal Setting

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Brendle Group**

**22 November 2011
Climate Wise Seminar**

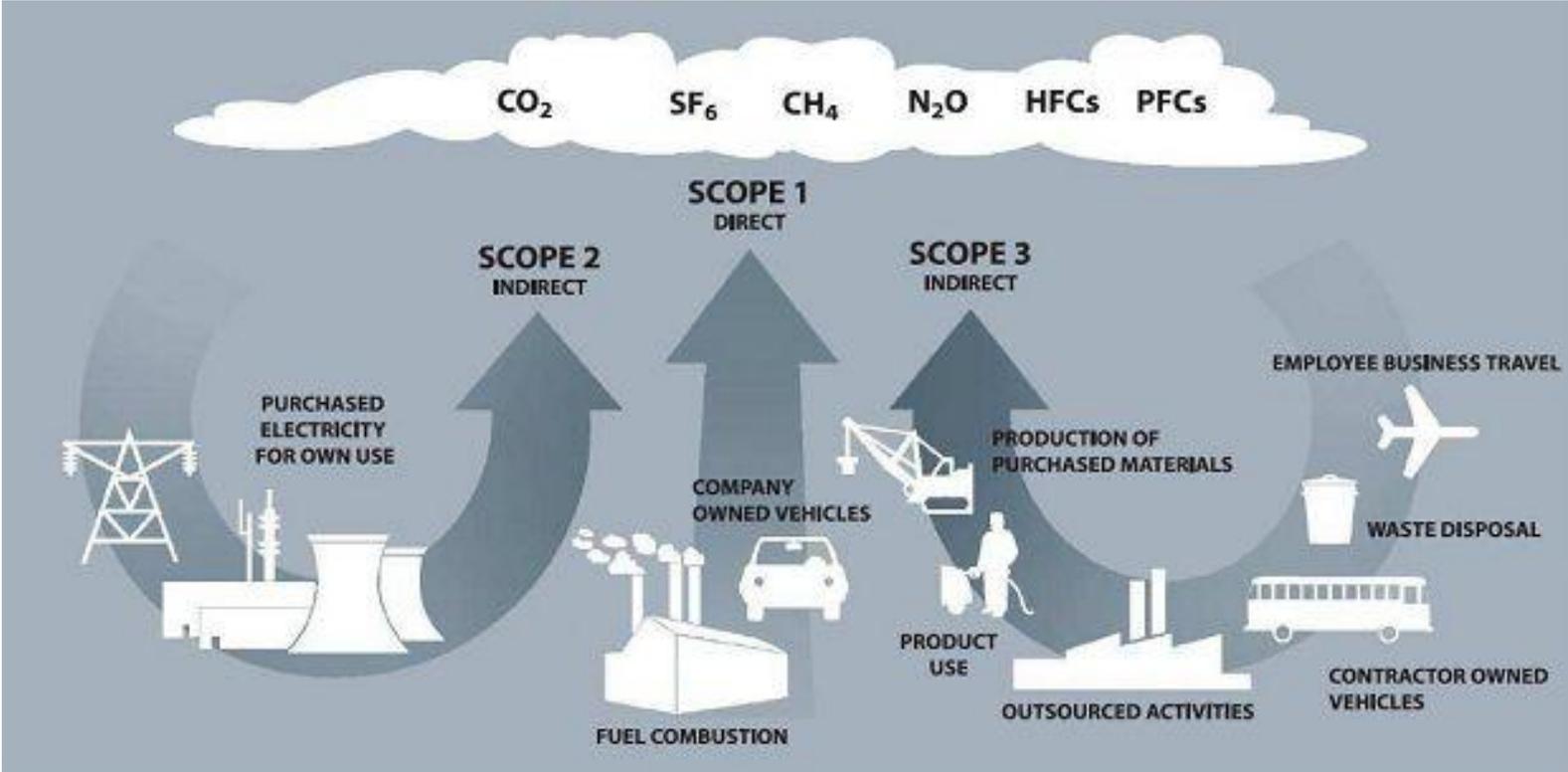
Agenda

- Introductions
- Context on inventories
- Using the Climate Wise GHG Baseline Tool
- Goal setting

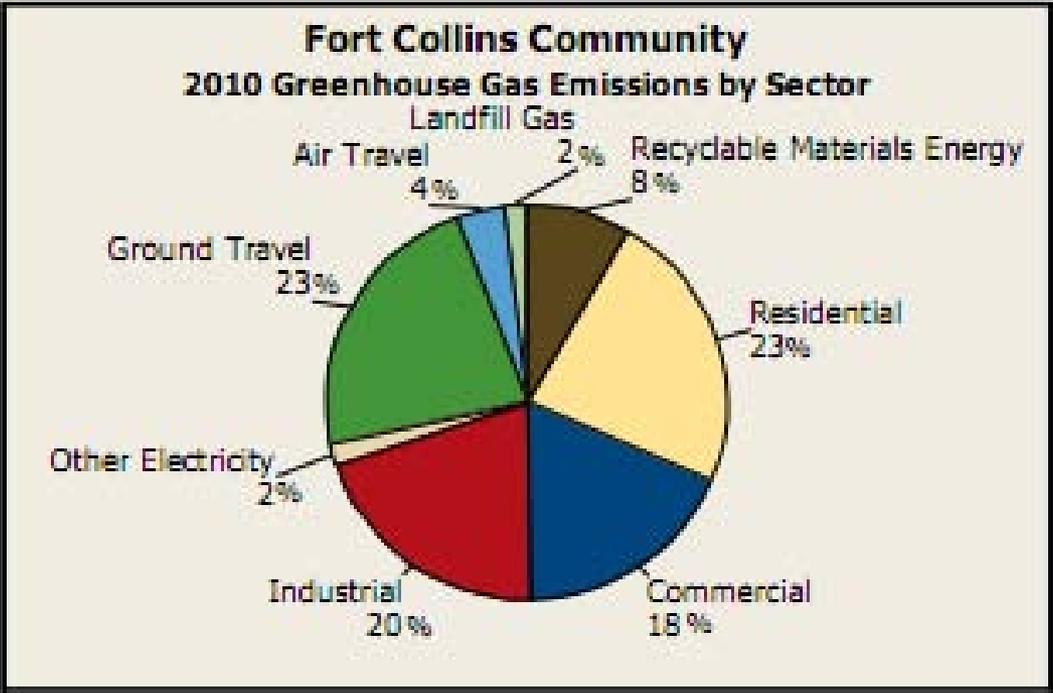
Introductions

- What Partner do you represent?
- Have you done a GHG inventory?
- Will you do an inventory this year?

GHG Inventory

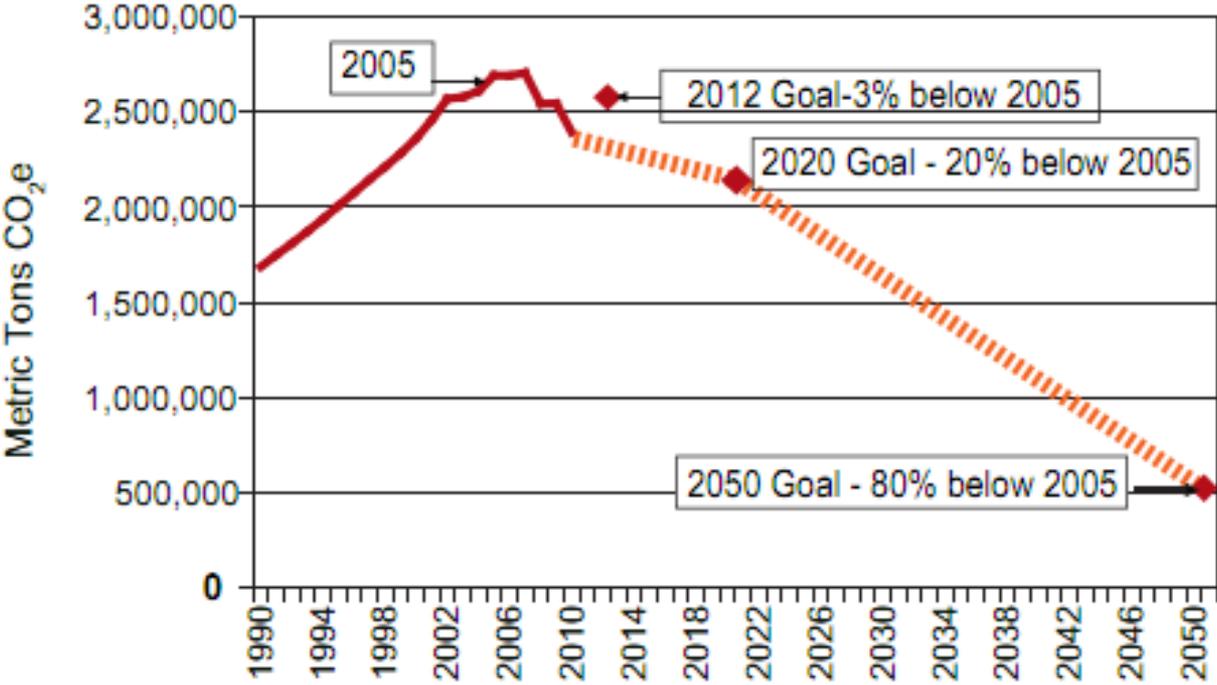


Community Context



Community Goal

Fort Collins GHG Emissions and Goals



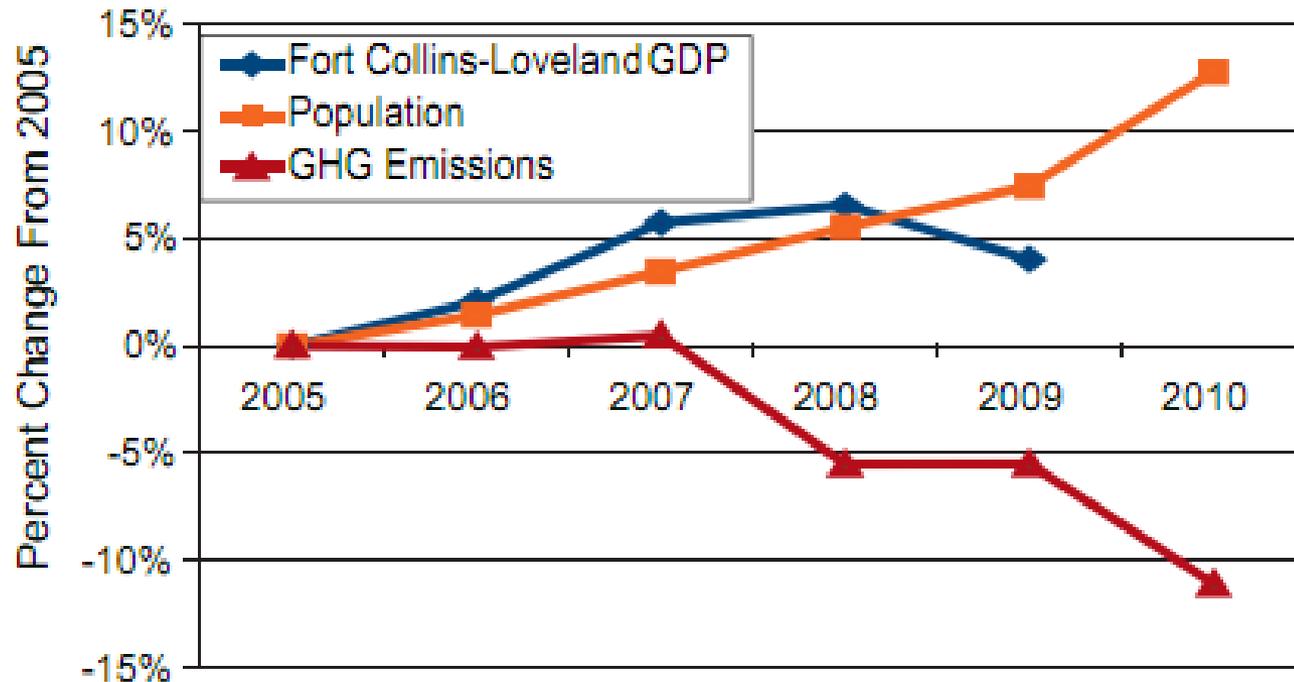
Climate Wise Reduces

136,000

metric tons carbon dioxide
equivalent in 2010

Progress Made

Fort Collins Population, and Emissions and Regional GDP



Inventory Benefits

- Measurement > goal setting
- Meeting your goals helps Climate Wise and community meet goals
- Address customer requests for emission measurement and reduction
- Industry leadership
- Attracting/maintaining progressive work force
- Tracking the environmental effects of utility, resource, and/or supply decisions

GHG Baseline Tool

- Where to get it?
- What is required to complete it?
- What does the tool do?
- What if I already have an inventory?

Getting the Tool

Gold and Platinum Reporting Tools

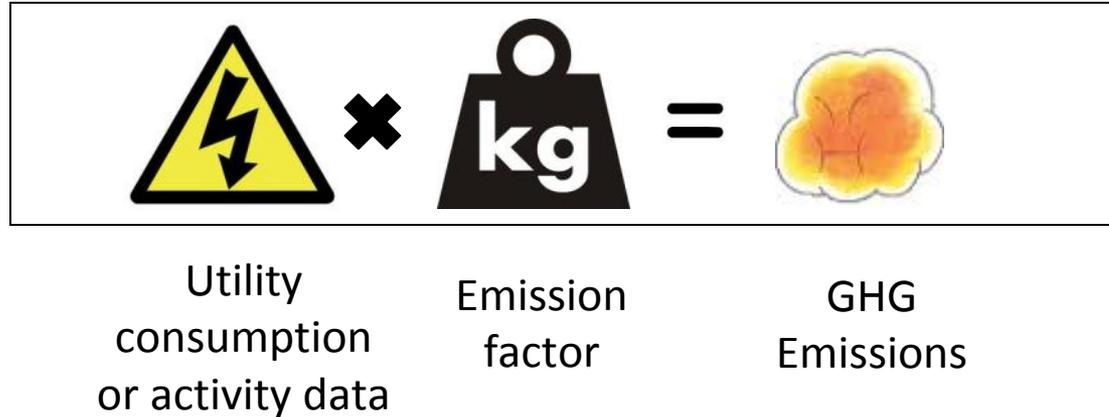
Partners are required to submit several forms to satisfy key Gold and Platinum level requirements. All forms are also available for download from your [myClimateWise](#) page.

- **Greenhouse Gas Baseline Tool:** Use the Greenhouse Gas Baseline Tool to calculate greenhouse gas emissions and reductions by resource area. Gold and Platinum level partners are required to complete the GHG Baseline Tool annually.
 - [Greenhouse Gas Baseline Tool](#) (version 2010-11 | 300k Excel spreadsheet): Please download, complete this form and upload to your [myClimateWise](#) account.
 - [Guide to GHG Baseline Tool](#): Materials needed and instructions on how to complete the tool.
 - [Guide to Goal Setting](#): Partners wishing to become Gold or Platinum level partners are required to develop a reduction goal based on their GHG baseline.

Required Information

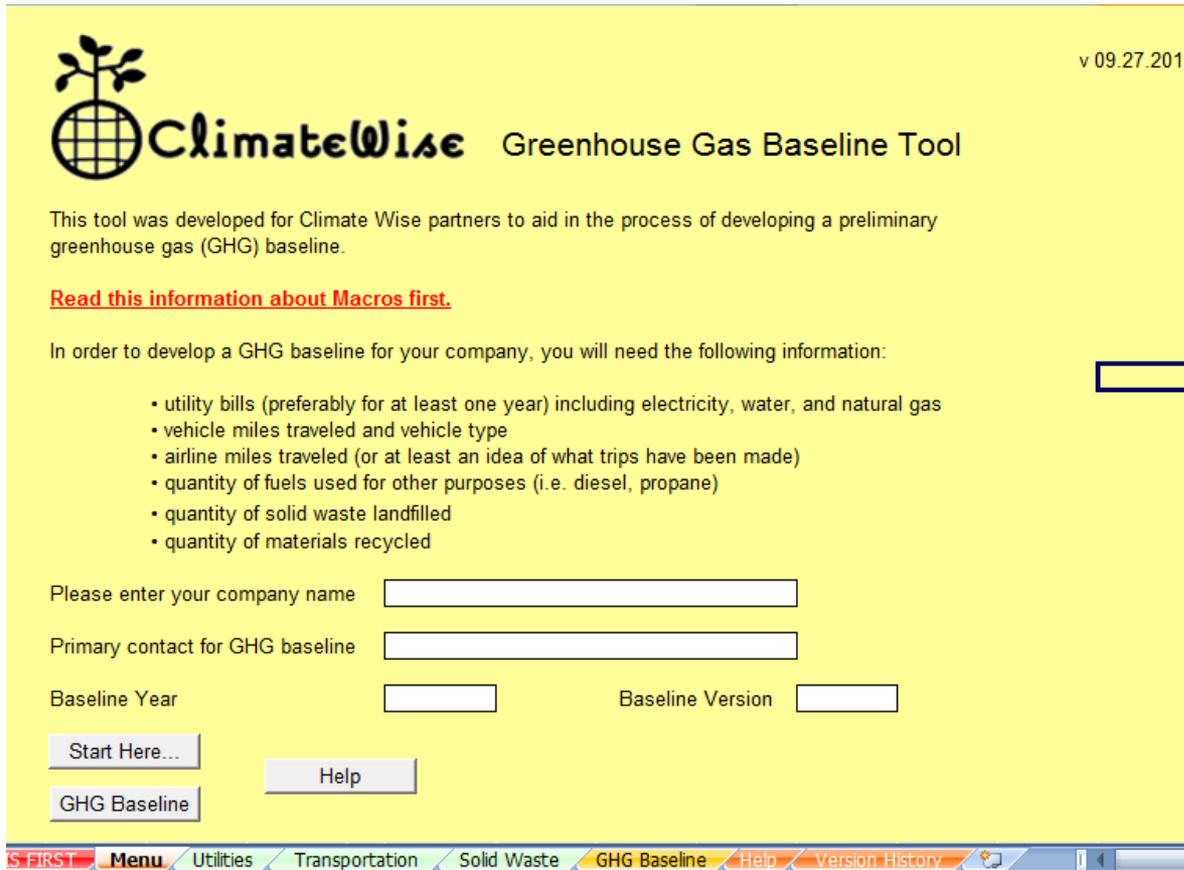
One year of each data set	
Data	Source
Utility bills	Accounting, facilities, or utility provider Quantity consumed (kWh, therms, gallons)
Vehicle use	Accounting, fleets Mileage records or records of fuel purchases (gal or \$)
Airline travel	Accounting, travel agent Destinations or dollars spent
Solid waste and recycling	Accounting, facilities, waste hauler Records of weight or volume of waste hauled, can also be calculated by level of service (bin size, frequency)

How the Tool Works



- Emissions factors from accepted sources
- Electricity and solid waste often change year-to-year

Tool Tour



The screenshot shows the ClimateWise Greenhouse Gas Baseline Tool interface. At the top left is the ClimateWise logo, which consists of a globe with a plant growing out of it. To the right of the logo is the text "ClimateWise Greenhouse Gas Baseline Tool". In the top right corner, the version number "v 09.27.2011" is displayed. Below the header, there is a paragraph of text: "This tool was developed for Climate Wise partners to aid in the process of developing a preliminary greenhouse gas (GHG) baseline." This is followed by a red link: "[Read this information about Macros first.](#)". Below this, a sentence states: "In order to develop a GHG baseline for your company, you will need the following information:". To the right of this sentence is a small empty rectangular box. A bulleted list follows, detailing the required information: utility bills, vehicle miles traveled, airline miles traveled, quantity of fuels used, quantity of solid waste landfilled, and quantity of materials recycled. Below the list are four input fields: "Please enter your company name", "Primary contact for GHG baseline", "Baseline Year", and "Baseline Version". At the bottom left, there are three buttons: "Start Here...", "GHG Baseline", and "Help". At the bottom of the screenshot is a navigation menu with the following items: "IS FIRST", "Menu", "Utilities", "Transportation", "Solid Waste", "GHG Baseline", "Help", and "Version History".

v 09.27.2011

 **ClimateWise** Greenhouse Gas Baseline Tool

This tool was developed for Climate Wise partners to aid in the process of developing a preliminary greenhouse gas (GHG) baseline.

[Read this information about Macros first.](#)

In order to develop a GHG baseline for your company, you will need the following information:

- utility bills (preferably for at least one year) including electricity, water, and natural gas
- vehicle miles traveled and vehicle type
- airline miles traveled (or at least an idea of what trips have been made)
- quantity of fuels used for other purposes (i.e. diesel, propane)
- quantity of solid waste landfilled
- quantity of materials recycled

Please enter your company name

Primary contact for GHG baseline

Baseline Year Baseline Version

IS FIRST / [Menu](#) / [Utilities](#) / [Transportation](#) / [Solid Waste](#) / [GHG Baseline](#) / [Help](#) / [Version History](#)

Upload to My CW

- Requirement 9 - Gold

#	Requirement Title	Requirement Frequency	Year
9	Complete Greenhouse Gas (GHG) Tool	Annually	2011

IMAGE

This requirement lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi commodo, ipsum sed pharetra gravida, orci magna rhoncus neque, id pulvinar odio lorem non turpis. Nullam sit amet enim. Suspendisse id velit vitae ligula volutpat condimentum. Aliquam erat volutpat. Sed quis velit. Nulla facilisi. Nulla libero. Vivamus pharetra posuere sapien. Nam consectetur. Sed aliquam, nunc eget euismod ullamcorper, lectus nunc ullamcorper orci, fermentum bibendum enim nibh eget ipsum. Donec porttitor ligula eu dolor. Maecenas vitae nulla consequat libero cursus venenatis.

[Link to this great resource](#)

[Greenhouse Gas \(GHG\) baseline tool](#)

1

Submissions Overview

SUBMISSION DATE: 23 OCT 2011, 2:31 PM

Upload	File Name	Submitted to CW	Status	Edit/View
File to Upload:	greenhouse_gas.xls	2/23/11	Approved	

Form Type	Form Title	Savings	Cost	Submitted to CW	Status	Edit/View
Description	n/a	n/a	n/a	Submit Now	Not Submitted	

[+ Add New Submission](#)
 [Email Climate Wise Staff](#)

Goal Setting

- Requirement 10 – Gold
 - State a target
 - Specific/general
 - Short/long term
 - Quantitative
 - Can be expressed in any unit but must relate to GHG reduction
- Increased Accountability in New My Climate Wise

Goal Setting in My CW

GHG Reduction Goal Form

▶ About This Form

New Goal Update of Previous Year's Goal

1

New Goal Title *

Year of Goal Completion:

Details Below Upload a File

2

GHG Goal Details * Please include as much detail as possible.

Why Submitting New Goal? *

Older Goal Met Addition to Other Active GHG Goals This is Our First GHG Goal

Previous Goal That Was Met *

3

Additional Details Please include as much detail as possible.

Save Form & Submit Later

Save Form & Submit Now

Save Form & Add Another Goal

[Cancel](#)

Goal Setting in My CW continued

GHG Reduction Goal Form

▶ About This Form

New Goal Update of Previous Year's Goal



Previous Goal List *

Choose One... ▼

Submit Written Details Upload a File

Upload File *

Current File: no file selected  Upload New File: no file selected

Allowed document types: PDF, RTF, TXT, DOC, DOCX, XLSX or XLS; 5MB max file size

Save Form & Submit Later

Save Form & Submit Now

Save Form & Add Another Goal

[Cancel](#)



Topics

- Greenhouse gas
- Four areas of Climate Wise program
 - Energy (kWh, therms, btus, etc.)
 - Transportation (VMTs, gallons of use, etc.)
 - Waste (pounds, % diversion, etc.)
 - Water (gallons, etc.)
- Can be normalized
(e.g. kWh/employee or kWh/unit of production)

Preliminary Goal

- Set a goal before all information is in
- Establish intent
- Adjust based on reality of achieving

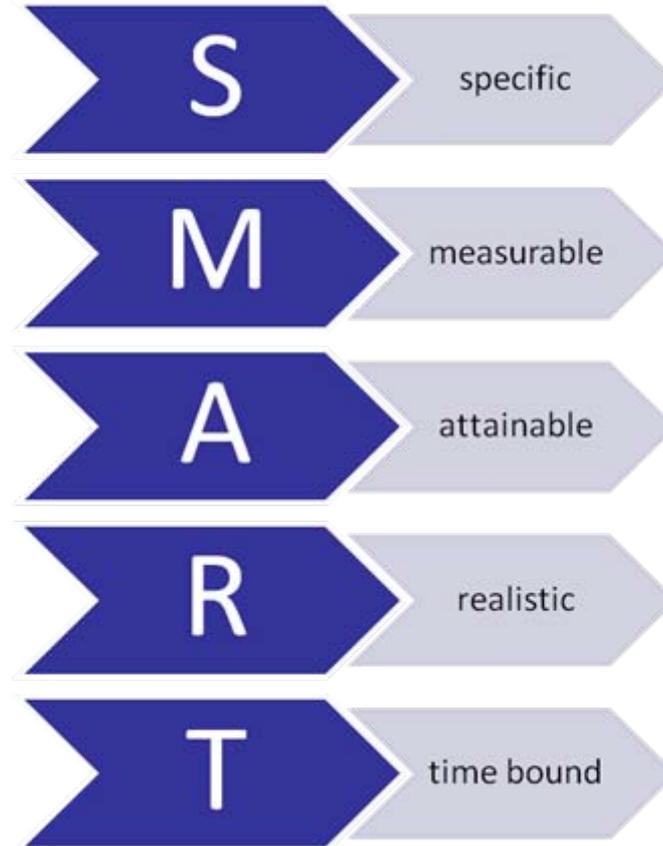
Example Goals

- Energy: Poudre School District – 1.5% yearly consumption reduction over ten year period
- Transportation: Colorado State University – 25% reduction of fleet petroleum use by 2012
- Waste: The Brendle Group – zero waste by 2010
- Water: LEED – 30% annual indoor water use

Resources

- ENERGY STAR (www.energystar.gov)
- LEED (www.usgbc.org)
- Fort Collins Utilities Keep Current (www.fcgov.com/utilities/business/consERVE/education-tools/keep-current)
- Zero Energy Research Institute (www.zeri.org)
- Other Climate Wise partners
- Yourself!

Format



S.M.A.R.T. Example

Each department will **reduce overall annual paper purchases** by **10 percent** by the **end of 2013**.

Specific

Measurable

Achievable?

Realistic?

Time bound

Growing?

- Absolute reduction goal
 - *Partner will reduce GHG emissions by 3,000 MTCO₂e.*
- Normalized goals on specific activities
 - *Reduce kWh/employee by 10%*
 - *Reduce therms/production unit by 10%*
- *Set a goal and go for it – emissions can at least be decoupled some from growth*

Questions?

Next Session:

Sustainability Management System: Introduction
and Framework for Development

Monday, November 28, 12:00-1:00PM

Community Room, 215 N. Mason St.