

# MyTemp™ as part of a sustainable future



## Residential Heating and Cooling

Heating and cooling is the largest use of residential energy consumption. It represents 49% of household energy consumption and 10% of the total US energy consumption. Using that much energy heating and cooling our homes wouldn't be so bad, if it kept us comfortable. Unfortunately recent studies indicate that most people are uncomfortable in their homes; their #1 problem - poor temperature control.

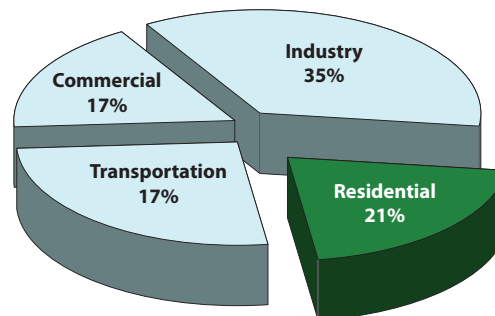
## MyTemp™ - Comfort Meets Efficiency

Wouldn't it be great if there was an alternative that would address both issues, it would make our homes more comfortable while at the same time allowing us to manage and reduce our energy use? Now there is, it's called MyTemp. MyTemp is the next generation of residential climate control. Using wireless technology, MyTemp monitors the temperature in every room of your home. A network of pneumatic dampers controls the airflow to every vent. An easy to use touch screen display puts you in command and the system's sophisticated software manages the entire house based on your settings.

## Reduce Your Environmental Impact

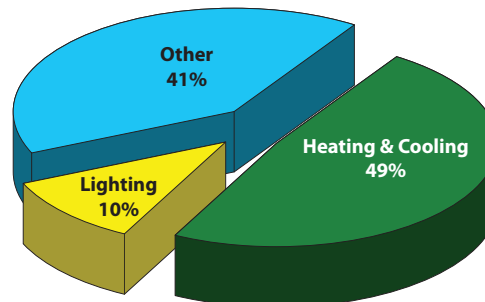
Your furnace produces CO2 and the electricity used to power your air conditioner may come from a power plant burning fossil fuel. MyTemp provides the tools to help you reduce your heating and cooling energy consumption by up to 40%. This can result in significant reduction in CO2 and other greenhouse gases.

## US Energy Consumption By Use



Source: US Department of Energy

## Residential Energy Consumption By Use



Source: Energy Star

### Estimated yearly CO<sub>2</sub> reduction using MyTemp\*

#### NATURAL GAS (Annual Cost) CO<sub>2</sub> REDUCTION

\$1,000	5,900 lb
\$1,250	7,400 lb
\$1,500	8,900 lb
\$2,000	11,900 lb

#### ELECTRICITY (Annual Cost) CO<sub>2</sub> REDUCTION

\$1,000	1,600 lb
\$1,250	2,000 lb
\$1,500	2,400 lb
\$2,000	3,200 lb

\*MyTemp system utilizing setback, zoning, and SAVER mode vs. a conventional HVAC system. Source: EPA Personal Emissions Calculator.

## Maximum Performance

MyTemp provides superior comfort and energy savings with all types of forced-air HVAC equipment, but for even better results, we recommend:

- MyTemp Green HE** – MyTemp with a high efficiency 2-stage furnace and air conditioner. Home Comfort Zones recommends 2-stage equipment with a greater than 30% capacity difference between the first and second stage. MyTemp Green HE can reduce heating and cooling energy consumption by up to 52%.
- MyTemp Green Flex HE** - MyTemp with a 2-stage heat pump and high efficiency backup furnace. Home Comfort Zones recommends 2-stage equipment with a greater than 30% capacity difference between the first and second stage. MyTemp Green Flex HE can reduce heating and cooling energy consumption by up to 52% while providing “fuel” flexibility for heating.



## MyTemp + Residential Solar

MyTemp is a great complimentary technology to residential solar. During the summer, air conditioning is the largest residential energy consumer and its greatest use will coincide with the best solar energy producing hours of the day. Installation of the MyTemp system will reduce your cooling requirements, allowing you to use your solar energy for other applications or to sell it back to your utility company (where allowable).

## COMING THIS SPRING!

### Economizer / Outside Air

MyTemp has been working several years to perfect its residential economizer / outside air control software. The software is ready to go and will be released this spring. In addition, Home Comfort Zones has partnered with a leading manufacturer of economizers to produce an integrated equipment solution.

## Company Overview

Home Comfort Zones designs, manufactures and sells residential temperature control and energy management systems.

MyTemp™ began shipping in 2004 and delivers energy savings and improved comfort by providing room-by-room temperature control. MyTemp features a proprietary combination of software, sensors, electronics and mechanics. It can be designed into new homes or easily retrofitted into existing homes with forced-air heating and cooling (HVAC) systems. The company was founded in 2002 by its CTO, Dr. Hal Alles (Ph.D. Physics). Hal is an experienced technology entrepreneur with a deep background in software and microprocessor design. The company is led by CEO Jim Hermann. For

more information about Home Comfort Zones, visit [www.homecomfortzones.com](http://www.homecomfortzones.com).

The company is a recognized leader in green technology. MyTemp has been awarded Energy Star compliance and the company was recently 1 of 20 selected to present at the prestigious CleanTech XVI Forum (February 25- 27, 2008, San Francisco).

**Hal Alles**  
*Inventor of MyTemp*



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