

## Helpmate, Inc., Asheville, North Carolina

### Summary of Assistance

Helpmate, Inc. is an emergency shelter for abused women and their children. They rely on donors for much of their funding and they need to save money wherever possible. At their request, an energy survey was made on April 6, 2009 by Ron Miller, WRP Engineer, along with Helpmate staff members.

### Facility Description

The building is 8,756 square feet in size and consists of 16 efficiency bedroom/living units. There are 8 shared bathrooms, with one common large kitchen area and one family room. The building also has 3 offices and 3 half bathrooms. In the previous 12 month period ending in February 2009, the 100 % electric facility consumed 130,840 kWh for a total energy cost of \$11,421.

### Survey Findings

The survey identified potential electrical savings of \$3,411 per year, or 29.9% savings if all items could be implemented. The largest expenditure would be for new HVAC equipment. The estimated cost to install this equipment is \$50,000 and is not feasible at this time without grant funding.

Most, if not all, of the no-cost measures have been implemented with great success. The annual energy use (kWh/year) has been reduced by 20%. During the same period, electric rates increased across the region. Nonetheless, Helpmate realized a 12% reduction in their energy costs.

*“Just wanted to let you know that our electric use for March 09 through February 10 was down 20% from comparable 08/09 months!”*

*That's really impressive and that's just from being careful with the AC/Heating temperatures, lower hot water temperatures, and closing the chimney.*

*Thanks so much Ron!”*

*- Katherine Early  
Helpmate, Inc.*





# Waste Reduction Partners

Land-of-Sky Regional Council • Asheville, NC • Phone: 828-251-6622 • Email: wrp@landofsky.org • www.wastereductionpartners.org  
Triangle J Council of Governments • Research Triangle Park, NC • Phone: 919-549-0551 • wrp@tjco.gov

## WRP Performance Achievements for NC Businesses and Institutions

Since 2000, Waste Reduction Partners' team of retired professionals has provided more than 158,000 hours of "pro bono" technical expertise to businesses, manufacturers, and institutions. This unique team of volunteers is dedicated to achieving a better quality of life for all North Carolinians.

Waste Reduction Partners helps organizations achieve sustainability goals with utility cost saving strategies.

The WRP team conducts on-site assessments and provides consulting services to businesses and public facilities throughout North Carolina. The program focuses on pollution prevention, operating efficiency improvements and cost effectiveness.

WRP services are grant sponsored or supported through technical service contracts to provide assistance to its clients at **no-cost**.

All services are non-regulatory and confidential.

### who we are



A team of 65 distinguished retired engineers, scientists, and business professionals with more than 2300 years of experience.

### what we offer



On-site efficiency improvement assessments in water and waste reduction, energy management, and pollution prevention.

### who we serve



WRP volunteers have helped more than 1300 clients save money through improved energy, water & waste reduction plans.

- o Manufacturing
- o Agriculture
- o Local Governments
- o Non-Profits
- o Businesses
- o K12 Schools & Institutions

- o \$ 23 Million Total Utility Cost Savings
- o 717,300 Million BTU Reduced
- o 601 Million Gallons Water Conserved
- o 210,200 Megawatt Hours Saved
- o 197,600 Tons Solid Waste Reduced
- o 125,100 Tons Greenhouse Gas Reduction

Waste Reduction Partners is administered by the Land-of-Sky Regional Council and the Triangle J Council of Governments. WRP is a partnership program of the NC Department of Environment and Natural Resources, with sponsorship, in part, by the NC State Energy Office.

