



Roanoke County Free Business Energy Checkup

For a limited time, Roanoke County is offering 40 free energy checkups to County businesses. The program is being funded by a stimulus grant received by the County and is completely free to the first 40 businesses that sign up. The purpose of the program is to identify a wide variety of energy conservation actions and improvements that will save energy and improve the bottom line. While there are no strings attached, participants are encouraged to follow-up on as many of the identified savings measures as possible.

Eligible businesses will either own their own building or have a lease that allows them to perform building and equipment modifications. They must pay their own utility bills and have meters in their name. The size of the structure is limited to approximately 6,000 sq. ft. and must be single story. It should be either a completely detached structure or part of multi-tenant strip mall but have front and rear exterior walls and no occupied space overhead. Enclosed mall occupancies cannot be considered. Residential type structures are also eligible assuming they are dedicated 100% to business operations.

It is anticipated that businesses that follow-up on recommendations contained in the energy checkup can potentially save 30-40% on their utility bills. Energy surveys are on a first come, first serve basis and are being performed by an independent 3rd party, certified, energy auditing firm. The process takes about 2 hours and the client will receive a written report listing existing conditions and recommendations in order of least to most cost. It is common to find many weatherization and conservation items that are no or low-cost.

The energy checkup consists of the following tests and inspections:

- An air infiltration analysis blower door test will be done, including identification of attic bypasses and air changes per hour measurement.
- Heat loss areas to be identified via Infra-red camera imaging.
- Building exterior envelope integrity will be assessed for air infiltration problems.
- Assessment of all building structure insulation R-Value levels.
- Check/record central cooling efficiency (temp drop across coil) and SEER.
- Heating plant and water heater efficiency test and assessment.
- Heat and AC duct air leakage test (pressure pan test)
- Lighting assessment and recommendations

The following kinds of questions will be asked:

1. Are you making effective use of available lighting, such as natural sunlight?
2. Is your facility using the most energy efficient lighting options (CFL, LED)?
3. Are there areas that have excessive or unneeded lighting?
4. Have you installed lighting management equipment such as dimmers, timers and sensors?
5. Is the building well insulated?
6. Are furnaces, boilers and air conditioning systems operating efficiently?
7. Is there a regular maintenance and update schedule for these systems?
8. Is your equipment maintained so that it is operating at maximum efficiency?
9. Are machines shut down when not in use?
10. Are lights, fans and equipment (computer, printers, etc.) turned off when not in use?
11. Are building temperatures set back when not in use?
12. Are thermostats set to higher or lower than necessary in summer and winter?

For further information or to submit an application contact:

Jim Vodnik
Roanoke County General Services
540-387-6115
jvodnik@roanokecountyva.gov

FREE BUSINESS ENERGY CHECKUP APPLICATION

ROANOKE COUNTY

General Services

Phone 540-387-6115

Fax 540-387-6112

INTRODUCTION: The Roanoke County Board of Supervisors' appointed a citizens committee to focus on climate control, carbon footprint reduction and efficient use of energy -- **RCCLEAR** which stands for **R**oanoke **C**ounty **C**ommunity **L**eaders **E**nvironmental **A**ction **R**oundtable.

RCClear is seeking opportunities for county citizens and businesses. For a limited time, Roanoke County is offering 40 free energy checkups to eligible County businesses. The program is being funded by a stimulus grant received by the County and is completely free to the first 40 businesses that apply. The purpose of the program is to identify a wide variety of energy conservation actions and improvements that will save energy and improve the business bottom line. There are NO strings attached; however, participants are encouraged to follow-up on as many of the identified savings measures as possible.

APPLICATION COMPLETION: Please email (or fax) completed form to: jimvodnik@roanokecountyva.gov
Fax: 540-387-6112

Please complete the information requested below:

OWNER INFORMATION

Company Name:

Company Owner: _____ Title:

Building Owner:

Building Address: _____

Phone: _____ Fax:

Email Address: _____

Website: _____

It is anticipated that businesses that follow-up on recommendations contained in the energy checkup can potentially save 30-40% on their utility bills.

Square footage: Total _____ Heated _____ Unheated _____
Separate Meters: Yes _____ No _____
Multi-tenant building? Yes _____ No _____
Single Story? Yes _____ No _____
Number of exterior walls: _____
Number of exterior doors: _____
Detached structure? Yes _____ No _____
Hours of operation? Weekdays _____ Weekends _____

SIGNATURE

Name (Please print)

Date

Signature

ADDITIONAL INFORMATION & RESOURCES

- Please be aware that a maximum of 40 audits will be given away on a first come, first served basis. If you should have any questions or need further information, please call Jim Vodnik at 387-6115.
- Deadline to apply for the Free Business Energy Check-up Application is September 1, 2011.
- For more information on the Roanoke Regional Chamber's Cool Green Biz Award, see link below http://www.roanokechamber.org/issues_actions/CoolGreenBiz.html
- For information on RCCLEAR, link to <http://roanokecountyva.gov/index.aspx?NID=1065>
- For information on Save A Ton, link to <http://www.roanokecountyva.gov/index.aspx?NID=931>

Disclaimer

The only data that may be publicly presented will be from aggregating the total survey responses or a derivative of that group, unless permission is expressly given by the respondent.