

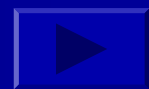
**Facility Engineering
Associates**

**...in conjunction with the
National Capital Region
of the USGBC**

presents:

Energy Audits


101






**“How to
explain what
an energy
audit is....**

**...to your
mother.”**

 **FEA101:** Energy Audits



“Energy Audit?
Why, whatever do you
mean?”

 **FEA 101: Energy Audits**

What is it?

An examination that...

- Identifies ways to **reduce energy use and/or operating costs**
- **Compares similar buildings**



 **FEA 101: Energy Audits**



An examination of the facility that...

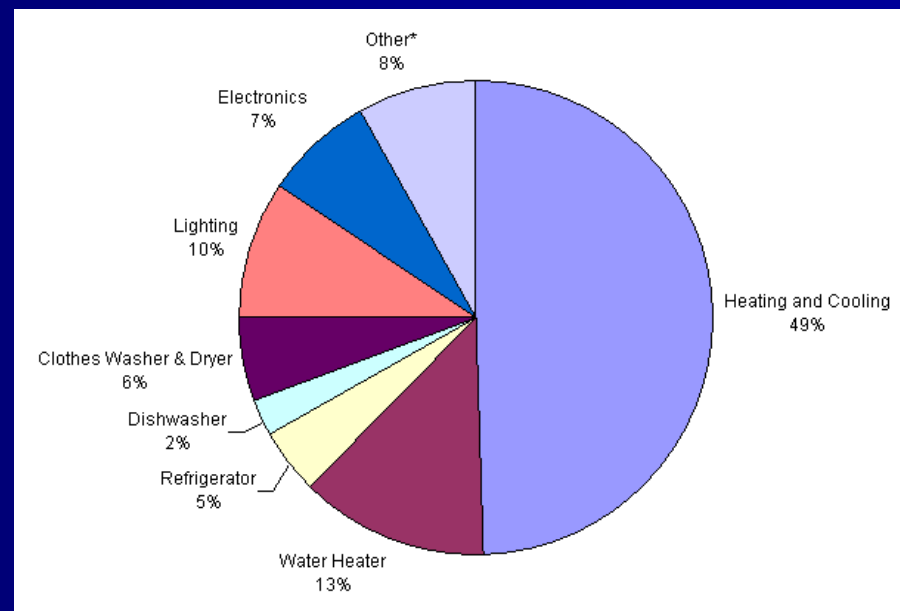
- Identifies and develops modifications that will reduce energy use and/or facility operating costs
- Evaluates performance compared to similar buildings

What does an energy audit look at?

The top three users:

- Heating & Cooling
- Hot Water Heater
- Lights

**Appliances –
That's for you to decide**



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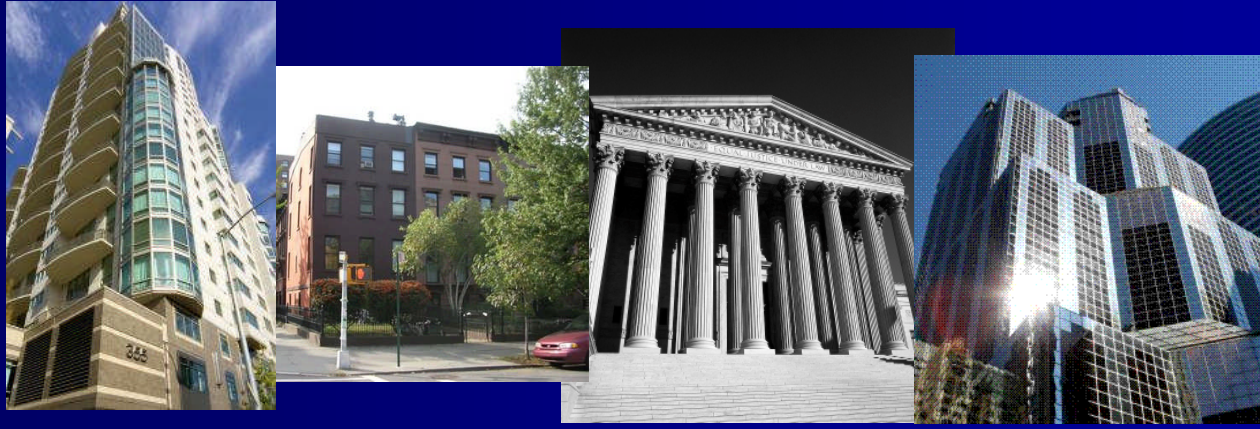
Reference: U.S. Department of Energy, www.eere.energy.gov/buildings/info/office/index.html




“Energy Audits?
Well, who would want
one of these?”

Who would want an energy audit?

Renters, condominium and home owners, business owners, and facility managers.



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“Energy Audits?”

Well, *why* would
somebody do one?”

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Why perform energy audits?




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What are the benefits?


- **Cost savings**
- **Energy savings**
- **Improved operational efficiencies**
- **Higher return on investment**
- **Increased property value**
- **The intangibles**

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- Cost savings
- Energy savings (rolls up to cost savings)
- Increased operational efficiencies (again, \$\$\$ savings)
- Higher return on investment (for property managers this can mean increased profit margins)
- Improved value or greater attractiveness to customers/tenants/buyers (better performing building...more for your money, can use high efficiency operations as a selling point to tenants)


“Well, who are these
‘energy auditor people’
anyway...”

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Energy Auditeers



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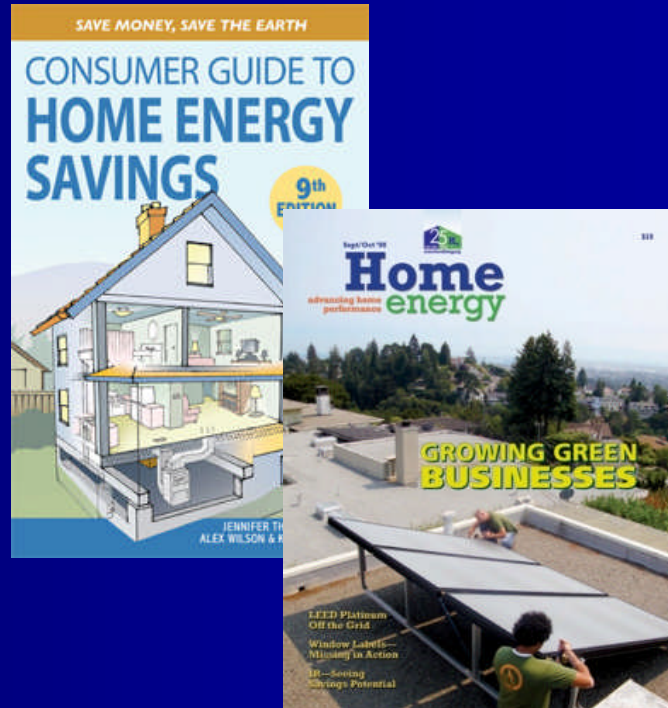
“But what can *I* do?”

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You too can do an audit!



<http://hes.lbl.gov/>



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Residential Energy Service Network or the District of Columbia Department of the Environment. DDOE has recently entered into an agreement with Elysian Energy to perform free energy audits to residents in the District.

What does the audit entail?

The audit requires a site visit. They will collect data on your home and do a "[blower door](#)" test which is helpful in determining how drafty your home is. The data collected from the site visit is analyzed off-site.

How long does an audit take?

A typical energy audit usually takes 4-6 hours, depending on the size of your home.

What kind of report will I receive?

The Home Energy Report Card (TM) is the unique and site-specific report you receive within two weeks of the site visit. It details your home and its features, qualitatively *and* quantitatively, in an easy-to-read format. The report suggests no-cost, low-cost and other improvements for your consideration based on cost-effectiveness. The report also provides an accurate carbon footprint for your home as well as a wealth of other information and resources.

“Does anyone have questions?”

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