

# ENERGY AUDITING & MANAGEMENT



Natura's experienced energy professionals provide tailor made solutions to commercial and multifamily building owners in many different areas including:

- Energy Star Certification
- Energy Modeling
- Thermal Imaging
- Commercial & Multifamily Energy Auditing
- HUD Green Physical Needs Assessments
- Utility Energy Optimization Incentive Consulting

## ***Commercial & Multifamily Energy Auditing***

A business can determine what the best energy conservation measures are for their facilities by conducting a comprehensive energy audit. Energy Audits are performed at several different levels of effort, each with a different intended outcome:

*BEPA Benchmark: The Building Energy Performance Assessment (BEPA) (ASTM E2797 Standard)*

*ASHRAE Level 1: Walkthrough and Preliminary Energy Use Analysis*

*ASHRAE Level 2: Energy Simulation and Analysis*

*ASHRAE Level 3: Detailed Analysis of Capital Intensive Modifications*

## ***Energy Star Certification***

The EPA's Energy Star Portfolio Manager is a tool that allows building owners to manage energy consumption and compare energy use among similar buildings. Entering your building in the Energy Star Portfolio Manager and generating an Energy Star score are the steps necessary to achieve an Energy Star Certification for your building. Let NAC's energy professionals assist you with achieving an Energy Star Certification for your facility.

## ***Energy Modeling***

Our Energy Engineers assist building professionals to design optimal systems by simulating energy use over time and calculating energy savings and suggesting energy conservation measures. Our team has extensive experience simulating energy use in new and existing buildings. Our modeling tools include eQuest, Trane Trace 700, Sketch Up, and Revit.

- Building Energy Simulation
- ASHRAE & ICC Energy Code Compliance
- LEED Energy & Atmosphere Energy Modeling (Appendix G Based)
- Building Envelope Analysis
- EAct 179D Energy Analysis

## ***Thermal Imaging***

Thermal imaging testing is a powerful and highly accurate diagnostic tool for uncovering issues in building systems and structures, including water intrusion, missing or incomplete insulation, electrical circuit overloads, electrical malfunctions, and building construction defects. NAC has the experience in thermal imaging to develop and execute a cost-effective thermal imaging project to meet your needs.

- Infrared Electrical Systems Survey
- Whole Building Air Infiltration Testing (Blower Door Testing)
- Forensic Building Failure Identification
- Energy Efficiency Studies
- Steam Trap Inspections
- Electrical Systems Assessment

**NATURA**  
ARCHITECTURAL CONSULTING

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