

INTEGRATED MODELING INCENTIVE



HOW TO MAXIMIZE ROI THROUGH INTEGRATED MODELING

Energy modeling helps project teams evaluate energy-saving strategies and make informed decisions that affect the long term performance of a building. The Integrated Modeling Incentive rewards building owners who incorporated energy modeling early in the design process through post-occupancy verification.



INCENTIVE

Austin Energy pays \$175 per kW saved against a baseline model during the summer peak demand period.

INTEGRATED MODELING INCENTIVE EXAMPLES

Office	100,000 sq.ft.	98 kW	\$17,150
Hotel	200,000 sq.ft.	129 kW	\$22,575
Residential mixed-use	200,000 sq.ft.	128 kW	\$22,400
High Rise Residential	300,000 sq.ft.	192 kW	\$33,600

The estimated peak kW demand savings is based on average historical savings adjusted to the current energy code.

Customers who participate in the Integrated Modeling Incentive are also eligible to apply for other energy-efficiency rebates. The incentive deliverables complement Austin Energy Green Building ratings and LEED certifications.

ELIGIBILITY

New construction or major renovation projects $\geq 10,000$ sq. ft. for commercial, multifamily or governmental use in the Austin Energy service area are eligible.

More details at savings.austinenergy.com



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BENEFITS

The collaborative process of the Integrated Modeling Incentive generates reports that

- » Inform energy efficient investment decisions
- » Value high performance features for building appraisers
- » Aid understanding of operating costs and occupant comfort
- » Apply to green building and energy code compliance

TIMELINE

1. Programming



Application

Customer completes on-line application and selects an Energy Consultant.

2. Early Schematic Design



Introductory Meeting Report

Energy Consultant and Project Team discuss project requirements, energy use goals and strategies.

3. Schematic Design



Preliminary Analysis Report

Energy Consultant provides energy and economic analysis of each energy efficiency strategy.

4. Design Development



Final Energy Analysis Report

Energy Consultant provides energy and economic analysis of three design scenarios representing combinations of strategies for Customer to select optimal design.

5. Building Permit/Construction



Construction Document Report

Energy Consultant updates energy and economic analysis to reflect final design.

6. Post Occupancy



Measurement & Valuation Report

Austin Energy reviews installation and operations within first year post-occupancy. Energy Consultant updates energy and economic analysis to 'as built' conditions.

7. Incentive Paid



Payment Issued

Austin Energy approves final energy analysis.

BLUEBONNET STUDIOS CASE STUDY

Foundation Communities

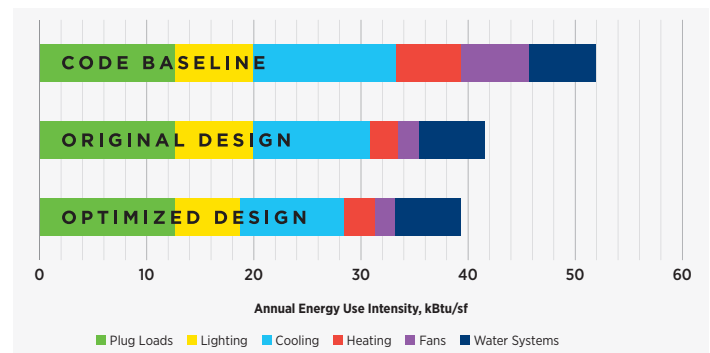


- » 55,000 sq.ft. multifamily mixed-use building
- » Three stories of residential apartments (107 units) over 10,000 sq.ft. ground floor common space and management offices

ENERGY GOALS

- » Proposed design achieves 30% better than the code requirement with significant savings in lighting, cooling, heating and fan energy
- » Common spaces designed to achieve Net Zero Energy
- » Residential floors target a 15% reduction from the code baseline

EARLY DESIGN EVALUATION



"More than anything, just as we want to know how much a building will cost to build, we also want to know its performance potential. The process provides transparency to the systems and envelope choices that allow us to make informed choices. Energy modeling was a key tool in balancing mechanical equipment costs, energy consumption and solar production."

— Sunshine Mathon, Foundation Communities