



# Energy-Efficient Commercial and Industrial Buildings



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Companies and organizations today continually must deal with volatile global energy prices, shareholder interest in "green" issues, and demand for sound financial management. The largest, single controllable cost for commercial and industrial buildings is energy consumption. To improve energy performance, companies need to implement cost-effective, sustainable strategies. When building owners and operators adopt strategic energy efficiency practices, they are able to realize significant cost savings, improve environmental performance, and enhance their public image.

## Our Approach

ICF International is a market leader in providing public and private-sector clients with whole-building, energy efficiency solutions. By offering end-to-end support across the entire program lifecycle, ICF helps businesses and organizations integrate energy efficiency into their strategies and operations. In turn, our clients realize tangible and cost-effective results.

ICF's energy experts leverage their first-hand knowledge of and experience with the challenges and opportunities related to designing and implementing successful energy efficiency programs and practices. ICF provides these services to several energy efficiency programs sponsored by federal, state, and local governments, regional programs, utilities, and industry associations, including the U.S. Environmental Protection Agency's (EPA's) ENERGY STAR® program. We have more than 100 full-time experts providing on-the-ground program implementation at sites throughout the United States and overseas.

ICF's energy efficiency team supports public and private-sector clients with a wide range of services, including the following end-to-end services:

### Advise

- Building simulation
- Commercial new construction
- Energy modeling
- Industrial and manufacturing processes and technology
- Market research and analysis
- Program design and planning

### Implement

- Account management
- Benchmarking, data tracking and analysis
- Energy audits
- Rebate/incentive processing and administration
- Strategic communications and marketing
- Technical support
- Financial analysis
- Training, outreach, and education
- Tool development

### Improve

- Measurement and verification
- Program assessment
- Portfolio management
- Program evaluation

## Featured Solutions

### **ENERGY STAR Commercial and Industrial Program**

For more than 15 years, ICF has been the lead contractor to EPA in the development and implementation of EPA's ENERGY STAR programs. ICF worked with EPA to launch the first ENERGY STAR program in 1992 with the successful Green Lights campaign. Since then, ICF has continued to support EPA serving as the prime contractor for the ENERGY STAR Commercial and Industrial Buildings Program. We have promoted the financial value of continuous energy management improvement and delivered technical assistance, training, and outreach to hundreds of ENERGY STAR partners. ICF has helped EPA recruit more than 2,500 commercial and industrial partners who have benchmarked more than 3.4 billion square feet of commercial building space.

### **ENERGY STAR Benchmarking Initiative**

ICF assists NSTAR Electric and Gas commercial customers to assess and improve the energy performance of their buildings through training on portfolio manager. ICF also helps identify operations and maintenance, and capital improvement measures; provides customized strategies to prioritize energy performance improvements; and identifies specific NSTAR energy efficiency programs that can buy down implementation costs, accelerating the payback and energy savings. Additionally, ICF provides ongoing technical and educational support to help participants follow through with recommendations, monitor changes to energy performance ratings, and implement continuous improvement energy management strategies. Through 2006, 70 customers representing more than 16 million square feet have participated in this voluntary program.

### **Cool It! with New York Energy \$mart<sup>SM</sup>**

ICF also helps utility and state clients implement energy efficiency programs on a regional level. ICF supported the New York State Energy Research and Development Authority's Cool It! with New York Energy \$mart<sup>SM</sup> Program, which promoted the increased availability, purchase, and use of energy-efficient commercial kitchen refrigerators, freezers and ice-makers, and beverage vending machines in New York State. The primary mechanism used was education and outreach of distributors, resellers, and end-users, including those in the public and private sectors. As part of a baseline market assessment, ICF interviewed key market players to determine the attitudes toward and knowledge of energy-efficient equipment, discovering that distributors and end-users were unaware of differences in energy performance. ICF developed outreach materials, creating market push by working with industry players to promote energy-efficient equipment to their customers. ICF also worked with commercial and institutional end-users to understand the financial and environmental benefits of higher efficiency equipment.

### **Small Commercial and Industrial (SC&I) Demand Response Program**

ICF designed and implemented the SC&I Demand Response Program for the California Energy Commission. The program provided financial incentives to customers with loads of between 50kW and 200kW, to install advanced meters and energy control systems. ICF designed all program materials, recruited customers, provided customer assistance, paid incentives, and managed verification protocols. A total peak load reduction of over 24 MW was achieved through 17 projects implemented by 14 customers at 1,037 sites.

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## About ICF International

ICF International (Nasdaq: ICFI) partners with government and commercial clients to deliver consulting services and technology solutions in the energy, environment, transportation, social programs, defense, and homeland security markets. The firm combines passion for its work with industry expertise and innovative analytics to produce compelling results throughout the entire program life cycle, from analysis and design through implementation and improvement. Since 1969, ICF has been serving government at all levels, major corporations, and multilateral institutions. More than 1,800 employees serve these clients worldwide. ICF's Web site is <http://www.icfi.com>.

For more information, please visit [www.icfi.com](http://www.icfi.com) or contact:

Deborah E. Miller  
1.703.934.3008 (p)  
1.703.934.3740 (f)  
[demiller@icfi.com](mailto:demiller@icfi.com)

ICF International  
9300 Lee Highway  
Fairfax, VA 22031