

# Career Opportunities with ERS Energy Efficiency, Renewables, and Sustainable Design Consulting

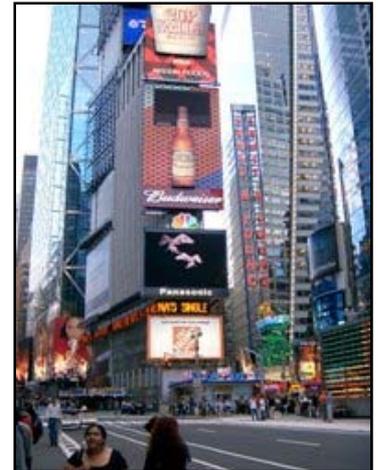


*presented by*  
**Mark D'Antonio, Yogesh Patil**  
**ERS**

**2009 IAC Student Meeting**  
**February 2009**

# About ERS

- Consultants – EE, Sustainable Design, Renewables
- Established in 1995
- Office Locations
  - Haverhill, MA (Boston Area) – Corporate Headquarters
  - NY, New York (Times Square)
  - Augusta, Maine
  - College Station, TX
  - Sacramento, CA
  - Portland, OR
- 35 Employees
- Continued Growth
- Unique Work Culture
- Many IAC Alumni

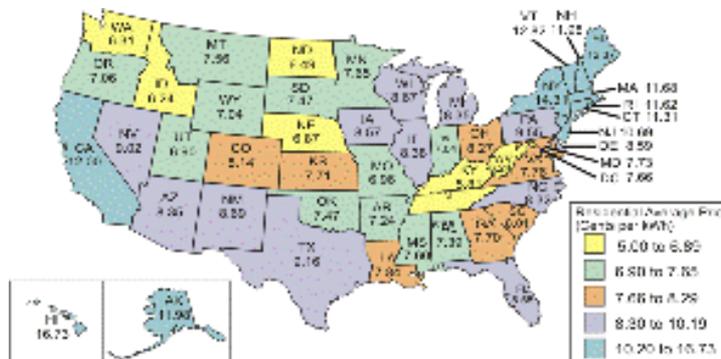


energy & resource  
solutions



# U.S. Areas of Significant EE Program Activity for Consultants (2006)

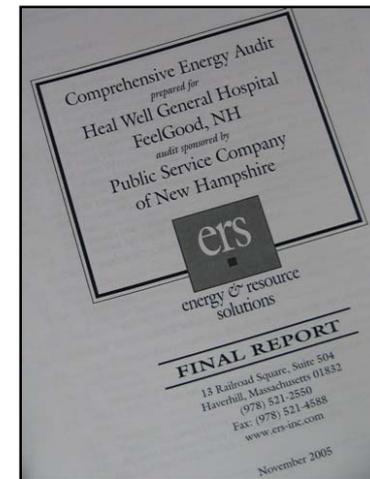
- **Northeast** > \$670 Million per Year
- **California** > \$870 Million per Year
- **Pacific Northwest** > \$220 Million per Year
- **Midwest** > \$370 Million per Year
- **Southeast (Texas, Florida, Georgia)** > \$370 Million per Year
- **Southwest** > \$105 Million per Year
- **Hawaii** > \$18 Million per Year



Source: Energy Information Administration, Form EIA-891, "Annual Electric Power Industry Report"

# ERS Consulting Services

- Technical Assistance Engineering
- Feasibility Studies
- Program Planning & Implementation
- Program Evaluation
- Project Design & Implementation
- Training



# Technical Assistance Engineering

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- **Comprehensive Commercial & Industrial Technical Assessments**
  - **Process & Resource Related**
  - **Existing Buildings**
  - **New Construction**
  - **Renewable Energy**
- **ECO-Efficiency (integrates energy, resource, productivity)**
- **Green Building Services - LEED**
- **Demand Response Assessments**
- **Commissioning & Retro-Commissioning**
- **Quality Assurance Services**

# Feasibility Studies

- Technology Demonstration
- Renewables (Solar, Wind, Hydro)
- CHP Studies



# Program Planning & Implementation

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- **Efficiency Maine Program Development & Implementation**
- **NYSERDA Program Planning and Delivery**
- **High Performance Schools Program**
- **High Performance Lighting Program**
- **Technology Programs**



# Program Evaluation

## ➤ Program Evaluation

- Post Installation Analysis
- Commercial & Industrial Utility Programs
- Residential Utility Programs
- Evaluation, Metering & Monitoring



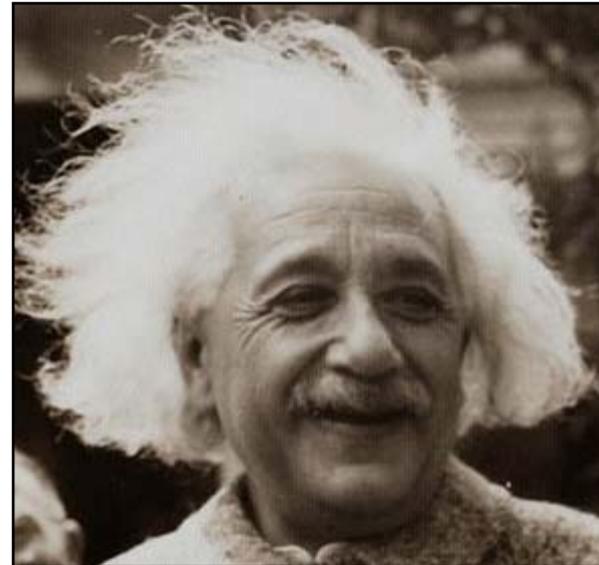
# Project Design & Implementation

- High Performance Lighting
- HVAC and Building Automation
- Construction Oversight
- Commissioning, Re-Commissioning, Retro Commissioning



# Training

- Energy Codes
- High Performance Technologies
  - Circuit Rider
- Design Assistance
- Paper Presentations





# Case Study Project: Efficiency Maine Program Design and Delivery

## ➤ Program Design

- Residential
- Commercial
- Schools
- New Construction

## ➤ Program Implementation



# Case Study Project: High Performance Schools Research and Protocol Development

- Collaborative for High Performance Schools (CHPS)
  - Better performing students, teachers, buildings
- Northeast CHPS Protocol
  - Site development
  - Indoor air quality
  - Energy consumption
  - Renewable energy
  - Daylighting
  - Recycled, recyclable, and local materials
  - Transportation
  - Green communities
- New – High Performance Renovations for Existing Schools



# Contact Info – Questions and Discussion

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**[Visit Our Booth](#)**

➤ **Questions/Discussion**

