



# **ENERGY SPECIALIST TRAINING PROGRAM**

Developed and designed by the Central Florida Energy  
Efficiency Alliance (CFEEA).

AN EDUCATIONAL PARTNERSHIP TRANSFORMING OUR COMMUNITY



# ENERGY SPECIALIST TRAINING PROGRAM

## FALL ORIENTATION

### •GOALS:

- Training, Proficient
- Experience- Real World
- Specialty Skill set for job market
- Resume benefits
- Scholarships, Paid Internships, Conference Sponsorship
- Job Placement

### •RESOURCES:

#### •Staff

- Energy Specialist Coordinator
- UCF Liaison- Office of Sustainability
- ENERGY STAR Trainer/Facilitator
- CFEEA Executive Director

#### •Tools

- ENERGY STAR Portfolio Manager
- Weekly labs
- CFEEA website  
[www.kwcrackdown.com](http://www.kwcrackdown.com)
- ENERGY STAR webinars
- Real building information database

# ENERGY SPECIALIST TRAINING PROGRAM

## THE TRAINING PROGRAM

### •12 WEEKS- 4 PHASES:

- Phase I- Overview, 2 weeks
- Phase II- Data Collection and Online training, 3 weeks
- Phase III- Field Preparedness, Mock Presentations, 2 weeks
- Phase IV- Field work and Site Visits, 3 weeks
- Phase Tests
- Final Written Report

### •TWO ENERGY SPECIALIST TRACKS:

- Technical Assistance (TA)- Kris Stenger
  - UFC Engineering Students
  - Work Directly with Facility Managers, Chief Engineers and Energy Managers of participating businesses.
  - Goal is benchmarking, improvements, job placement
  - New Phase being developed
- Research & Development (R&D)- Margaret Lo
  - Non-engineering UCF students with interview approval
  - Same track as TA until Phase III
  - Work directly with business owners, energy mgmt contacts and TAs.
  - Goal is case studies, white papers, conference presentations.

## ENERGY SPECIALIST TRAINING PROGRAM

### CFEEA AND THE KILOWATT CRACKDOWN

#### •CFEEA:

- Funded in July 2009 by American Recovery and Reinvestment Act (ARRA), through a grant called EECEBG- Energy Efficiency Conservation Block Grant= STIMULUS DOLLARS
- Central Florida Energy Efficiency Alliance Mission: CFEEA provides a unified voice for professional and trade organizations, local government, academia, and utilities, who are committed to research, education and implementation of environmentally and socially responsible energy and building management practices that conserve energy and natural resources

#### •CFEEA GOALS:

- All Central Florida governments, schools, universities, utilities, professional, trade, business and community associations can be members- NO BUSINESSES.
- Members sign on as “Members” or “Partners” of CFEEA
- First challenge is focused on reducing energy use 30% by 2012- Kilowatt Crackdown Challenge
- Provides educational workshops and ES support
- Awards Fall 2011 Works through the member organizations of the alliance to connect with our business community for CFEEA potential members

## ENERGY SPECIALIST TRAINING PROGRAM

### CFEEA AND THE KILOWATT CRACKDOWN

#### •KWC:

- Register 2,010 Central Florida Buildings In the Kilowatt Crackdown Challenge by June 30, 2010- to date over 1,660 buildings registered into program
- Participants achieve at least 10% energy use reduction- Participants are already seeing benefits.
- Recognition & Awards for participants- 2010 Community Awards Presentation in Fall of 2011. Each year of program there will be new award recipients.
- Energy Specialists Training Program est. here.

#### •NEW PROGRAMS:

- Water Conservation Program 2011
- Waste Management Program 2012
- Next Phase of Energy Specialist Program for TA

## ENERGY SPECIALIST TRAINING PROGRAM

### WHAT IS ENERGY STAR?

- **ENERGY STAR:** An educational resource for consumers, homeowners, and commercial building owners developed by the U.S. Department of Environmental Protection.
- Developed Energy Star Label for energy efficient products in early 1990's and have extended label to buildings
- Energy Star performance rating based on score of 1 to 100. Scores of 75+ =Energy Star Certified.
- Provides training on various energy efficiency topics
  
- **ENERGY STAR Portfolio Manager:** An energy management tool that determines building performance rating based on building occupancy type, square footage, number of occupants and equipment, and energy use.
  
- Energy Star **Score** establishes benchmark from which building owners can use additional Portfolio Manager tools and strategies to improve building energy efficiency

# ENERGY SPECIALIST TRAINING PROGRAM

## NEXT STEPS

### •RICHARD DETREVILLE:

- Contact Information
- School and work schedules
- Internship Application- WAV
- Mileage Reimbursement Policy
- Schedule commitment for labs

### •CONTACT INFORMATION:

- Christina Webb, CFEEA ED-  
[christina.webb@ocfl.net](mailto:christina.webb@ocfl.net)
- Kristopher Stenger, ES Trainer-  
[Kristopher.stenger@ocfl.net](mailto:Kristopher.stenger@ocfl.net)
- Margaret Lo, UCF Liaison-  
[mlo@mail.ucf.edu](mailto:mlo@mail.ucf.edu)
- Richard DeTreville, Student Coordinator-  
[Richard.detreville@ocfl.net](mailto:Richard.detreville@ocfl.net)