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## Florida Weatherization Training - Quarterly Report (July 2010 - September 2010)

Florida Solar Energy Center

Neil Moyer

*Florida Solar Energy Center*

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FLORIDA SOLAR ENERGY CENTER®

*Creating Energy Independence*

# Florida Weatherization Training Quarterly Report (July 2010 – September 2010)

FSEC-CR-1868-10

September 30, 2010

## **Submitted to**

Department of Community Affairs  
2555 Shumard Oak Blvd  
Tallahassee, FL 32399-2100

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A Research Institute of the University of Central Florida

## ABSTRACT:

The weatherization training for the State of Florida Dept of Community Affairs continues at the Florida Solar Energy Center's Training Facility. Progress for the fifth three months of the contract included minor course refinement of presentation materials and handouts as the result of the June 2010 updates to the P & G. Four 1-day IR classes were completed (45 students).

## INTRODUCTION:

The contract to provide training for the weatherization inspectors was assigned on July 10, 2009. The scope of work includes:

- Five (5) days of classroom and hands-on training per student to perform building diagnostics in accordance to the prescribed reference materials provided by DCA Weatherization Program. This includes health & safety concerns, combustion safety, building airtightness, insulation, ventilation concerns, duct system evaluation, and appliance measures.
  - Class size currently limited to 18 students per session with expectations increasing class size to 40 students as soon as possible.
  - Course will be divided into 4 main sections: Weatherization Introduction, Health & Safety, Building Diagnostics and Weatherizing Homes.
  - Each of the four sections will have an evaluation that is both written and practical.
  - Appropriate handouts for each section.
  - A short remedial training (up to 2 hours) with retest if needed after each section (beginning of following day).
  - Each student the course will receive a certification of attendance.
  - Report of student assessment will be provided.
  - Lunches will be provided
  - Course training will be presented via LCD projector, hands-on module and field testing of a house with combustion appliances.
- Short video training segments (up to 5) providing information on various diagnostic procedures. These may include the following topics:
  - Basics of blower door testing
  - Basics of duct system testing
  - Combustion appliances and safety
  - Zonal pressures and air barriers
  - Form completion
- Follow-up field evaluations on students who have passed the five day course.
  - Review of diagnostic testing and forms
  - Review of recommendations
  - Review of completed work inspection
- Provide an "on call" expert to help with in field diagnostics (up to 600 hours for first year).
  - Support provided via telephone and email.
  - An experienced Building Scientist will be available to coach caller to the solution or provide feedback within 1 business day.
- Revision/extension
  - Provide training for an additional 50 students
  - Provide an additional one day course – "IR Camera Basics"

## ACCOMPLISHMENTS:

**Training:** In the third quarter of 2010, no classes were held. The next training class has been set for the 18<sup>th</sup> of October. The training materials have been updated to reflect the changes found in the June 2010 Procedures and Guidelines.

**IR Training:** The one day IR training course was given four times this quarter (July 19<sup>th</sup> 20<sup>th</sup> 21<sup>st</sup> and Aug 11<sup>th</sup>). A total of 45 students attended this quarter (71 overall).

## FIELD QC REPORTING

Dennis Stroer and Jon Klongerbo of Calcs-Plus (a subcontractor to the project), continue to perform the field QC and on call phone services. Since the last quarterly report, 7 field QC inspections were performed throughout the state. Following is their report.

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# CALCS PLUS

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## Weatherization Training & Quality Control

Quarterly report on activities 1st Quarter 7/1/2010 – 09/30/10

8/3/10 – Quality Control Verification -

G. Franklin – Tri County Community Council

8/4/10 – Quality Control Verification -

J. Paul – Tri County Community Council

8/13/10 – Quality Control Verification-

A. Lott – Suwannee River Economic Council

9/21/10 – Quality Control Verification-

A. Andoh – Pinellas County Urban League

T. Paone – Northeast Florida Community Action Group

P. Craine – Northeast Florida Community Action Group

G. Lopez – Northeast Florida Community Action Group

## CLASS ROSTER

<u>LAST</u>	<u>FIRST</u>	<u>AGENCY</u>	<u>TRAINING</u>	<u>CLASS</u>	<u>PASSED</u>	<u>FIELD QC</u>
Davis	Pamela	Brevard County	8/3/09 - 8/7/09	1	8/7/09	9/28/00
Clemons	Daniel	Calhoun County Board of County Commissioners	8/3/09 - 8/7/09	1	8/7/09	8/20/09
Bender	P. Douglas	Capital Area Community Action Agency	8/3/09 - 8/7/09	1	8/7/09	8/19/09
Taylor	Mark	Central Florida CAA	8/3/09 - 8/7/09	1	8/7/09	10/6/09
Barraza	Chris	Centro-Campesino Farmworkers, Inc	8/3/09 - 8/7/09	1	8/7/09	9/29/09
Parker	Connie	Community Action Program Committee, Inc	8/3/09 - 8/7/09	1	8/7/09	9/2/09
Lakin	Robert	DCA	8/3/09 - 8/7/09	1	8/7/09	
Roberson	Michael	Lake CAA	8/3/09 - 8/7/09	1	8/7/09	8/12/09
Haynes Jr	Booker	Lee County	8/3/09 - 8/7/09	1	8/7/09	10/26/09
Schoenherr	Susan	Manatee Community Action Agency	8/3/09 - 8/7/09	1	8/7/09	9/11/09
Harrison	Mickey	Mid Florida Community Services	8/3/09 - 8/7/09	1	8/7/09	8/28/09
Blue	Derrick	Northeast Florida Community Action Agency, Inc	8/3/09 - 8/7/09	1	8/7/09	8/31/09
Belisle	Larry	Osceola County Council on Aging, Inc	8/3/09 - 8/7/09	1	8/7/09	1/13/10
Mensah	Abubakar (Duke)	Pinellas County Urban League, Inc.	8/3/09 - 8/7/09	1	8/7/09	8/26/09
Sheffield	Bill	Suwannee River Economic Council	8/3/09 - 8/7/09	1	8/7/09	9/25/09
Sewell	Travis	Tampa Hillsborough Action Plan	8/3/09 - 8/7/09	1	8/7/09	9/23/09
Dias	Robin	Wakulla County	8/3/09 - 8/7/09	1	8/7/09	8/21/09
Allen	Gail	Bay County Council of Aging, Inc	8/17/09 - 8/21/09	1	8/21/09	9/1/09
Spencer	Sedrick	Broward County Minority Builders	8/17/09 - 8/21/09	2	9/11/09	10/1/09
Menghini	Steve	Centro-Campesino Farmworkers, Inc	8/17/09 - 8/21/09	1	8/21/09	9/29/09
Dunn	Walter	Housing Partnership of Northeast Florida	8/17/09 - 8/21/09	2	9/11/09	9/24/09
Carman	Donna	Indiantown Non Profit Housing	8/17/09 - 8/21/09	2	9/11/09	
Garcia	Delia	Indiantown Non Profit Housing	8/17/09 - 8/21/09	1	8/21/09	10/19/09
Rushin	Larry	Jackson County Board of County Commissioners	8/17/09 - 8/21/09	2	9/11/09	10/19/09
Kady	Scott	Liberty County	8/17/09 - 8/21/09	2	9/11/09	9/24/09
Wolfe	Jared	Manatee Community Action Agency	8/17/09 - 8/21/09	1	8/21/09	9/11/09
Curbow	Jay	Meals on Wheels, Etc	8/17/09 - 8/21/09	1	8/21/09	9/8/09
Maruri	Miguel	Miami-Dade CAA	8/17/09 - 8/21/09	1	8/21/09	10/2/09
Mena	Rafael	Miami-Dade CAA	8/17/09 - 8/21/09	2	9/11/09	10/2/09
Jandrew	James	Osceola County Council on Aging, Inc	8/17/09 - 8/21/09	1	8/21/09	8/27/09
Thompson	Dave	St. Johns Housing Partnership	8/17/09 - 8/21/09	1	8/21/09	9/3/09
Vista	Mike	Suwannee River Economic Council	8/17/09 - 8/21/09	1	8/21/09	9/26/09
Edwards	Carol	Tri County CAA	8/17/09 - 8/21/09	1	8/21/09	9/24/09

Henderson	Steve	Tri County CAA	8/17/09 - 8/21/09	1	8/21/09	9/24/09
Dye	David	Brevard County	8/21/09 - 9/4/09	1	9/4/09	9/28/09
Williams	Mark	Brevard County	8/21/09 - 9/4/09	1	9/4/09	9/28/09
Stuggis	Brenda	Broward County Minority Builders	8/21/09 - 9/4/09	2	9/11/09	10/1/09
Mutch	Terry	Capital Area Community Action Agency	8/21/09 - 9/4/09	1	9/4/09	10/15/09
Wilson	Kim	Capital Area Community Action Agency	8/21/09 - 9/4/09	1		
Gele	Leon	Central Florida CAA	8/21/09 - 9/4/09	1	9/4/09	10/6/09
Carman	Jennifer	Indiantown Non Profit Housing	8/21/09 - 9/4/09	1	9/4/09	10/19/09
Lanman	Matt	Indiantown Non Profit Housing	8/21/09 - 9/4/09	1	9/4/09	10/15/09
Oviedo	Octavio	Indiantown Non Profit Housing	8/21/09 - 9/4/09	1	9/4/09	10/15/09
Walburn	Sean	Lake CAA	8/21/09 - 9/4/09	1	9/4/09	10/5/09
Bissell	Brian	Lee County	8/21/09 - 9/4/09	1	9/4/09	10/26/09
Effing	George	Lee County	8/21/09 - 9/4/09	1	9/4/09	10/26/09
Haggerman	Pat	Liberty County	8/21/09 - 9/4/09	1	9/4/09	9/24/09
O'Bryan	George	Liberty County	8/21/09 - 9/4/09	1	9/4/09	9/24/09
Raymond	Gary	Meals on Wheels, Etc.	8/21/09 - 9/4/09	1	9/4/09	11/24/09
Torres	Julio	Meals on Wheels, Etc.	8/21/09 - 9/4/09	1	9/4/09	11/24/09
Donahue	Joseph	Mid Florida Community Services	8/21/09 - 9/4/09	1	9/4/09	
French	Ralph	Osceola County Council on Aging, Inc	8/21/09 - 9/4/09	2	9/11/09	
Vargas	Roberto	Osceola County Council on Aging, Inc	8/21/09 - 9/4/09	1		
Christopher	Lloyd	Pinellas County Urban League, Inc.	8/21/09 - 9/4/09	2		
Odom	Donald	Pinellas County Urban League, Inc.	8/21/09 - 9/4/09	1	9/4/09	9/30/09
Trexler	Greg	St. John's Housing Partnership	8/21/09 - 9/4/09	1	9/4/09	9/29/09
Chavis	Leroy	Tampa Hillsborough Action Plan	8/21/09 - 9/4/09	2		
Carroll	Kelly	Bay County Council of Aging, Inc	10/5/09-10/9/09	1	10/9/09	10/20/09
Chamberlin	Robert	Central Florida CAA	10/5/09-10/9/09	1	10/9/09	12/8/09
Munden	Kathy	Central Florida CAA	10/5/09-10/9/09	1	10/9/09	12/8/09
Wissel	Nolan	Central Florida CAA	10/5/09-10/9/09	1	10/9/09	12/8/09
Kruse	Chris	Centro-Campesino Farmworkers, Inc	10/5/09-10/9/09	1	10/9/09	11/3/09
Pollick	Sean	Centro-Campesino Farmworkers, Inc	10/5/09-10/9/09	1	10/9/09	11/3/09
Young	Ken	Community Action Program Committee, Inc	10/5/09-10/9/09	1	10/9/09	10/19/09
Herbert	Jason	DCA	10/5/09-10/9/09	1	10/9/09	
Rowe	Michael	DCA	10/5/09-10/9/09	1	10/9/09	
Platts	Anthony	Housing Partnership of Northeast Florida	10/5/09-10/9/09	1	10/9/09	10/29/06
Betrus	Bob	Lee County	10/5/09-10/9/09	1	10/9/09	10/26/09
Georgewill	Ernest	Miami-Dade CAA	10/5/09-10/9/09	1	10/9/09	10/20/09
Perera	Orlando	Miami-Dade CAA	10/5/09-10/9/09	1	10/9/09	10/20/09

Beatty	Steve	Mid Florida Community Services	10/5/09-10/9/09	1	10/9/09	12/17/09
Roddis	Ray	Mid Florida Community Services	10/5/09-10/9/09	1	10/9/09	12/17/09
Myers	Robert	Northeast Florida CAA	10/5/09-10/9/09	1	10/9/09	11/25/09
Oliver	David	Northeast Florida CAA	10/5/09-10/9/09	1	10/9/09	11/25/09
Niepert	Russ	Orange County community Development	10/5/09-10/9/09	1	10/9/09	11/11/09
Ross	Ferman	Orange County community Development	10/5/09-10/9/09	1	10/9/09	11/11/09
Bryant	Dale	Suwannee River Economic Council	10/5/09-10/9/09	1	10/9/09	11/13/09
Pearson	Matt	Suwannee River Economic Council	10/5/09-10/9/09	1	10/9/09	11/13/09
Burch	Donna	Tampa Hillsborough Action Plan	10/5/09-10/9/09	1	10/9/09	12/10/09
Trask	Don	Tampa Hillsborough Action Plan	10/5/09-10/9/09	1	10/9/09	12/10/09
Atria	Travis	Central Florida CAA	10/26/09-10/30/09	1	10/30/09	12/8/09
Kutkas	Arunas	Central Florida CAA	10/26/09-10/30/09	1	10/30/09	2/9/10
Rothrock	Christopher	Central Florida CAA	10/26/09-10/30/09	1	10/30/09	12/8/09
Seufert	Samuel	Central Florida CAA	10/26/09-10/30/09	1	10/30/09	12/8/09
Araujo	Hector	Centro-Campesino Farmworkers, Inc.	10/26/09-10/30/09	2	11/6/09	12/17/09
Francisco	Abrelío	Indiantown Non-Profit Housing	10/26/09-10/30/09	1	10/30/09	12/15/09
Powell	Derek	Indiantown Non-Profit Housing	10/26/09-10/30/09	1	10/30/09	12/15/09
Guerra	Angel	Orange County Community Development	10/26/09-10/30/09	1		
Roepke	Neil	Orange County Community Development	10/26/09-10/30/09	1	10/30/09	12/14/09
Anderson	Jeff	Suwannee River Economic Council	10/26/09-10/30/09	1	10/30/09	11/13/09
Rightmire	Bill	Suwannee River Economic Council	10/26/09-10/30/09	1	10/30/09	11/13/09
<del>Sims</del>	Howard	Suwannee River Economic Council	10/26/09-10/30/09	1	10/30/09	
Qualls	Xavier	Tampa Hillsborough Action Plan	10/26/09-10/30/09	1	10/30/09	12/10/09
Montes	Judy	Tri County CAA	10/26/09-10/30/09	1	10/30/09	12/7/09
Tripp	H. LaRue	Indiantown Non-Profit Housing	11/2/09-11/6/09	2	1/29/10	
Smiley	Lawrence	Lake CAA	11/2/09-11/6/09	1		
Baker	Charles	Northeast Florida Community Action Agency, Inc	11/2/09-11/6/09	2		
Craine	Philip	Northeast Florida Community Action Agency, Inc	11/2/09-11/6/09	1	11/6/09	9/21/10
Joye	Donald	Northeast Florida Community Action Agency, Inc	11/2/09-11/6/09	2	3/12/10	
Lopez	Georgito	Northeast Florida Community Action Agency, Inc	11/2/09-11/6/09	1	11/6/09	9/21/10
Rodriguez	William	Northeast Florida Community Action Agency, Inc	11/2/09-11/6/09	1		
Hill	Ludell	Pinellas County Urban League, Inc.	11/2/09-11/6/09	1		
Stauffacher	Thomas	St. John's Housing Partnership	11/2/09-11/6/09	1	11/6/09	12/17/09
Robinson	Baron	Broward County Minority Builders	1/25/10-1/29/10	2	3/12/10	

Hamlet	Jerome	Capital Area CAA	1/25/10-1/29/10	1	1/29/10	2/11/10
Simmons	Van	Capital Area CAA	1/25/10-1/29/10	1	1/29/10	2/10/10
White	Luke	Capital Area CAA	1/25/10-1/29/10	1	1/29/10	2/10/10
Dinsmore	Tomas	Community Action Program Committee, Inc	1/25/10-1/29/10	1	1/29/10	2/12/10
Holley	June	DCA	1/25/10-1/29/10	1		
Hunter	Bob	DCA	1/25/10-1/29/10	1	1/29/10	
Smiley	Larry	Lake CAA	1/25/10-1/29/10	1		
Coughlin	Calvin	Monroe County	1/25/10-1/29/10	1	1/29/10	2/9/10
Steckley	Marlene	Monroe County	1/25/10-1/29/10	1	1/29/10	2/9/10
Nickerson	Chris	Osceola County Council on Aging,	1/25/10-1/29/10	1	1/29/10	
McClendon	Rodney	Suwannee River Eco Council	1/25/10-1/29/10	2	3/12/10	
White	Jeff	Suwannee River Eco Council	1/25/10-1/29/10	1	1/29/10	
Trusty	Todd	Tri County CAA	1/25/10-1/29/10	1	1/29/10	2/12/10
Franklin	Eddie	Wakulla County	1/25/10-1/29/10	2	3/12/10	8/3/10
Nuss	Jerry	Wakulla County	1/25/10-1/29/10	1	1/29/10	2/11/10
Taylor	Dale	Community Action Program Committee, Inc	3/8/10-3/12/10	1	3/12/10	
Paluzzi	Anthony	Housing Partnership of NE FL	3/8/10-3/12/10	1	3/12/10	3/17/10
Schevitz	Louis	Housing Partnership of NE FL	3/8/10-3/12/10	1	3/12/10	3/17/10
Vuras- Vourazeris	Chris	Indiantown Non-Profit Housing	3/8/10-3/12/10	1		
Figueredo	Hernan	Miami-Dade CAA	3/8/10-3/12/10	1	3/12/10	
Rosa	Pedro	Miami-Dade CAA	3/8/10-3/12/10	1	3/12/10	
Mercado	Gilberto	Orange County Community Development	3/8/10-3/12/10	1	3/12/10	
Brinson	Kwanda	St. Johns Housing Partnership	3/8/10-3/12/10	1		
Killingsworth	Brian	St. Johns Housing Partnership	3/8/10-3/12/10	1		
Goff	Bill	Capital Area CAA	6/7/10-6/11/10	1		
Varus	Chris	Indiantown Non-Profit Housing	6/7/10-6/11/10	2	6/11/10	
Whitton	Daniel	Indiantown Non-Profit Housing	6/7/10-6/11/10	1	6/11/10	
Riley	Murray	Lake Community Action Agency	6/7/10-6/11/10	1	6/11/10	
Moss	Mark	Monroe County	6/7/10-6/11/10	1	6/11/10	
Franklin	Greg	Northeast Florida CAA	6/7/10-6/11/10	1	6/11/10	8/3/10
Paone	Tony	Northeast Florida CAA	6/7/10-6/11/10	1	6/11/10	9/21/10
Patterson	Rob	Northeast Florida CAA	6/7/10-6/11/10	1	6/11/10	
Andoh	Abdul	Pinellas County Urban League	6/7/10-6/11/10	1	6/11/10	8/13/10
Brown	Dave	St John's Housing Partnership	6/7/10-6/11/10	1	6/11/10	
Lott	Arthur	Suwannee River Eco Council	6/7/10-6/11/10	1	6/11/10	8/4/10
Horn	Bryan	Tri County Community Council	6/7/10-6/11/10	1	6/11/10	
Paul	Joel	Tri County Community Council	6/7/10-6/11/10	1	6/11/10	8/3/10
Carter	Eddie	Tri-County Community Council	6/7/10-6/11/10	1		
Taylor	John	Wakulla County	6/7/10-6/11/10	1	6/11/10	



### Class Roster for Infrared Camera Basics (1-day class)

<u>6/14/10</u>	<u>6/15/10</u>	<u>7/19/10</u>	<u>7/20/10</u>	<u>7/21/2010</u>	<u>8/11/2010</u>
Steve Beatty	Jeff Anderson	Gail Allen	Bob Betrus	Hector Araujo	David Dye
Joe Donahue	Dale Bryant	Brian Bissel	Walter Dunn	Chris Barraza	Bob Hunter
Leon Gele	Kelly Carroll	Jennifer Carman	Carol Edwards	Larry Belisle	Bill Pass
Ernest Georgewill	Delia Garcia	Robert Chamberlin	Abrelío Franscisco	David Brown	Neil Roepke
Jerome Hamlet	Pat Hangerman	Dan Clemons	Booker Haynes	Eddie Franklin	Michael Rowe
Michael Harrison	Scott Kady	Pam Davis	Steve Henderson	Ralph French	Chip Sellers
James Jandrew	Chris Nickerson	George Effing	Gilbert Mercado	Miguel Maruri	Brenda Stuggis
Terri Mutch	Octavio Oviedo	Matt Lanman	Judy Montes	Rafael Mena	Dale Taylor
Ray Roddis	Matt Pearson	Anthony Platts	Russ Niepert	Steve Menghini	Mark Williams
Bill Sheffield	Bill Rightmire	Thomas Stauffacher	George O'Bryan	Abubakar Mensah	<b>8</b>
Mike Vostal	Michael Roberson	<b>10</b>	Larue Tripp	Anthony Paluzzi	
Jeff White	<b>11</b>		Daniel Whitton	Orlando Perera	
Luke White			<b>12</b>	Ferman Ross	
Jared Wolfe				David Thompson	
Thomas Dinsmore				Sean Walburn	

**15**

**15**

**Total Students**

**71**

<u>NoShow</u>					
Jerry Nuss	Donna Carman	Ken Young	Jay Curbow	Lloyd Christopher	Norm Gempel
Kenneth Young	Steve Miller		Arthur Lott	Donald Odom	Jason Herbert
	George O'Bryan		Stevie Miller	Connie Parker	June Holley
			Murray Riley		Robert Lakin
					Mark Taylor