

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

**Principles of Effective Desk Monitoring**

Harold Davis, III  
 NC WAP Program Manager

---

---

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

**Core Principles of Effective Desk Monitoring**

- Have a regular schedule of review and specific tasks tied to those reviews.
- Contact agencies with questions about any irregularities.
- Close out any outstanding issues – promptly, if possible

---

---

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

**Principles of Effective Desk Monitoring**

- Accountable Results 4 Community Action (AR4CA)
- Department of Energy Reporting
- Desktop Monitoring
- Information Requests
- State-Wide Energy Evaluation
- Future Plans

---

---

---

---

---

---

---

---

---

---


2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

## Principles of Effective Desk Monitoring

AR4CA

- Agency owned web-based reporting system
- Can be used for tracking materials, labor, and vendor expenses
- Aggregates demographics, energy use, materials installed, measured used, and costs

-AR4CA is not an accounting tool




---

---

---

---

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA




---

---

---

---

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

## Principles of Effective Desk Monitoring

- Reports slice data in useful and customized ways.

Ad Hoc Report
WX: Callback Report
WX: Completed Units Report
WX: Customer List Report
WX: Demographic Report
WX: Evaluation Report
WX: Job Priority Sheet
WX: Materials Cost Report
WX: Measures Report
WX: Program Profile Report
WX: Quarterly Program Report
WX: Reverification Report
WX: Troubleshooting Report
WX: Vendor Report
WX: Waitlist Report




---

---

---

---

---

---

---

---

---

---


---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring

- Accountable Results 4 Community Action (AR4CA)
- Department of Energy Reporting
- Desktop Monitoring
- Information Requests
- State-Wide Energy Evaluation
- Future Plans

 Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

---

---

---


---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring

DOE Statewide Reporting (DEO)	From: 07/01/2008		To: 09/30/2008	
1. Dwelling Unit Production	WAP	WAP YTD	HARRP	HARRP YTD
a. Owner Occ. Single Family	335	335	150	150
b. Renter Occ. Single Family	28	28	5	5
c. Renter Occ. Multi-Family	0	0	0	0
d. Shelter	0	0		
e. Owner Occ. Mobile Home	170	170	78	78
f. Renter Occ. Mobile Home	13	13	6	6
g. Total Units to Date	546	546	239	239
h. Units in Progress	188		79	
i. Average Sq. Ft. of Completed Units	1,212	1,212	1,127	1,127
j. Reweatherized Unit	1	1		

- All information reported to DOE on a quarterly basis is available 5 days after the quarter closes.
- All information for LIHEAP is also available

 Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

---

---


---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring

- Accountable Results 4 Community Action (AR4CA)
- Department of Energy Reporting
- Desktop Monitoring
- Information Requests
- State-Wide Energy evaluation
- Future Plans

 Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

---

---

---

---



2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring



- R-30 Should have been installed.

**ENERGY** Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring



- Not R-30...

**ENERGY** Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring



- Not air sealed...

**ENERGY** Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

**Principles of Effective Desk Monitoring**

- Accountable Results 4 Community Action (AR4CA)
- Department of Energy Reporting
- Desktop Monitoring
- Information Requests
- State-Wide Energy Evaluation
- Future Plans

**ENERGY** Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

**Principles of Effective Desk Monitoring**

Information Requests

- Intradepartmental
- Legislative
- Groups with shared goals and common interests



**ENERGY** Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

**Principles of Effective Desk Monitoring**

- Accountable Results 4 Community Action (AR4CA)
- Department of Energy Reporting
- Desktop Monitoring
- Information Requests
- State-Wide Energy Evaluation
- Future Plans

**ENERGY** Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring

State-Wide Evaluation

- Originally going to piggy back on the national evaluation.
- Oak Ridge National Laboratory aided with the experimental design set up.





---

---

---

---

---

---

---


---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring

State-Wide Evaluation

- 1000 Weatherized Homes with 12 months of pre weatherization and post weatherization utility data.
- 1000 homes that have not been weatherized with 24 months of pre utility data.
- Data will be weather normalized in Prism.
- Modeled in statistical software.




---

---

---

---

---

---


---

---


2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring

State-Wide Evaluation



- No AR4CA Report could produce the proper format.
- The utility data was unusable.




---

---

---

---

---

---

---

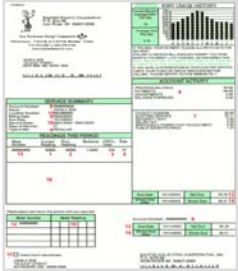
---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring

State-Wide Evaluation

- Several modifications to AR4CA.
- Agencies had to enter utility usage.



ENERGY Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring

State-Wide Evaluation

- Results should be ready by August 2009
  - Judge our methods
  - Installation Standards
  - Priority Lists
  - Field Effectiveness
  - Redirect Training

ENERGY Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

---

---

---

---

2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE  
 JULY 20-23, 2009 | INDIANAPOLIS, INDIANA

### Principles of Effective Desk Monitoring

- Accountable Results 4 Community Action (AR4CA)
- Department of Energy Reporting
- Desktop Monitoring
- Information Requests
- State-Wide Energy Evaluation
- Future Plans

ENERGY Energy Efficiency & Renewable Energy

---

---

---

---

---

---

---

---

---

---

---

---



## Principles of Effective Desk Monitoring

### Future Plans

- Share the results of the evaluation
- Plan for another evaluation
- Segregating the standard program and ARRA funding
- Integrating NEAT and MHEA into our software



---

---

---

---

---

---

---

---