

# 2024 WAP DOE Training & Technical Assistance Plan

Indiana's Weatherization Assistance Program currently has 308 Home Energy Professionals. 37 BPI QCI, 64 EA, around 42 Shell crews and 27 Mechanical workers and 11 helpers.

The first Year IHCDCA will bolster the current network and ensure the state has a solid foundation to ramp up production while maintaining the necessary quality of work. IHCDCA will specifically target Subgrantees working below the current contract requirements. IHCDCA will provide T&TA for the Subgrantees struggling to meet production goals. The training will evaluate and create processes in collaboration with the subgrantees. These processes will improve budgeting, production, and compliance in the Weatherization program. IHCDCA has implemented this training in the past which improved production and compliance with great success. The training is provided by Hutson Homes LLC and is listed below in more detail. Additionally, IHCDCA hosts two Semi Annually Manager Meetings (SAMM's) to address specific network issues and knowledge gaps throughout the network. IHCDCA meets individually with each sub-grantee every quarter for Quarterly Weatherization Manager 1:1 Meetings to discuss award benchmarking and policy concerns.

All form updates are a direct reflection from the most recent DOE monitoring of IHCDCA, IHCDCA monitoring of sub-grantees, and internal state audits. All new training and curricula and changes to current curricula are reflective to the most recent DOE monitoring.

## Training Implemented by Hutson Homes LLC Training

1. Costs and Budgets
  - Tracking unit expenses
  - The process of approving expense sheets per unit for finance
  - Reporting unit cost in IWAP
  - Reconciling between indirect and direct unit costs
  - Reconciling direct unit cost with NEAT/MHEA
  - Finding minimum number of units required at current expenses
  - Tracking ACPU
2. Production
  - Tracking units in production
  - Managing units in production
  - Moving production forward
  - Evaluate monthly goals adding to production as needed
  - Writing a process for each step of completing a unit from Audit to QCI, reporting etc...
3. Compliance
  - Work on procurement and its process
  - Tracking of CEUs and certifications
  - On boarding new employees and contractors
  - Checks and balances between financial and weatherization production
  - Inventory processes and tracking
  - Compliance check lists

Indiana utilizes T&TA to properly train all Weatherization Program Managers, Energy Auditors, Quality Control Inspectors, Crew Leaders, Retrofit Installers-SHELL/HVAC, and appropriate Grantee Staff. Training includes those who are in-house personnel and subcontractors working for the Grantee and Subgrantees. The T&TA training also trains and teaches on Monitoring practices. Indiana's Weatherization Training Center is the Indiana Community Action Association (INCAA). INCAA is an IREC Accredited organization covering all four DOE Job Task Analyses (Energy Auditor, Quality Control Inspector, Crew Leader and Retrofit Installer Shell). INCAA received their 5 year re-accreditation on

March 18, 2022. INCAA has adopted and utilizes the NREL installer badge toolkit as common practice as well.

T&TA is also utilized to provide sub-grantees with additional technical assistance in the technical and administrative aspects of Indiana's Weatherization Assistance Program. IHCD's Policy and Technical Specialist is available daily via phone and/or email to answer programmatic questions. Subgrantees with more serious needs may schedule/request an on-site visit from IHCD or INCAA training staff. IHCD and INCAA work together closely to ensure that Indiana's Weatherization Assistance Network receives the necessary training to meet DOE and IHCD requirements. Adjustments are made throughout the funding cycle as necessary to meet the T&TA needs of Indiana's Weatherization Network.

Subgrantees will be allotted a \$2,000 base award with an additional \$500 for every county serviced by the Subgrantee per reporting cycle for the purpose of providing Training and Technical Assistance for Subgrantee staff and contractors interested in performing weatherization work for the Sub-grantee. These funds may be used to cover only those expenses related to weatherization training, including:

- Class Fees
- Material Fees
- Written / Field Testing
- CEU Events
- Wage / Time reimbursement
- Travel Expenses (excluding meals)
- Lodging
- Providing reasonable meals at annual contractor trainings

Contractors must demonstrate their commitment to providing weatherization services for the Subgrantee by having an active contract with the Subgrantee before being considered for the stipend. Requests for stipends to reimburse contractors without an active contract must be reviewed by IHCD. Subgrantees that use a stipend for contractors and staff must provide training documentation to IHCD upon submitting claims for the stipend. Training records must contain clear documentation and verification that the required and appropriate training was attended and completed. Examples of this documentation include copies of training certificates, sign-in sheets, and BPI student portal information.

Examples of allowable courses are listed on INCAA's website, as well as those outlined in Policy & Procedure Manual Section 7. Subgrantees must have approval from IHCD for classes not listed prior to attending if the stipend will be used. Other associated costs related to training not listed above must first be approved by IHCD. Requests for additional funds will be submitted to IHCD for review.

Indiana addresses client energy education within the courses taught at INCAA. Comprehensive client education is provided to the Weatherization program through INCAA's Client Education course; however, client education components are also covered in the Energy Auditor, Quality Control Inspector, Retrofit Installer Shell and Mechanical, and the ASHRAE 62.2 courses. Several additional courses taught at INCAA also have components of Client Education embedded into those curriculums. Indiana believes establishing a solid foundation in client education is paramount to attaining optimal energy savings, to ensuring the durability of measures installed, for improvement in indoor air quality, and for building positive relationships between the clients and the WAP personnel. All persons involved in the Indiana WAP play a vital role in establishing effect client energy education. INCAA has available the following classes and trainings for the **annual** DOE funding cycle:

- Retrofit Installer Shell
- Retrofit Installer Mechanical
- Energy Auditor
- Crew Leader
- BPI Quality Control Inspector
- Zone Pressure Diagnostics
- High Performance Insulation
- Daily Safety Test Out Procedures
- Mobile Home Weatherization
- Carbon Monoxide and Combustion Analysis

- Electric Furnace & Heat Pump Inspections for Auditors/QCI's
- Electric Furnace & Heat Pump Inspections for HVAC Professionals
- Oil Furnace Training
- Boiler Inspections
- Vent Systems & Combustion Air Requirements
- Heating System Airflow Diagnostics
- Mechanical Systems for Auditors
- CAZ Pressure Diagnostics for Auditors and Heating Techs
- NEAT/MHEA/MuTEA
- Whole House Heat Load Calculations
- New Furnace Installation Inspections
- Applying The ASHRAE 62.2
- DOE Health & Safety Policy
- Healthy Homes Evaluator
- Communication in Weatherization
- Water Heater Inspection
- Client Education
- SWS for Weatherization Professionals
- Lead Safe Weatherization
- Moisture Assessment
- Testing for DOE's QCI and Energy Auditor Certifications
- Multi-Family QCI Training for QC
- Multi-Family Training Building Analyst for Energy Auditors
- Optimizing Weatherization Program Resources
- OSHA 10
- SHPO Training

Indiana currently requires competency testing for all individuals performing work as an Energy Auditor, Quality Control Inspector, MF Building Analyst, and MF QCI, Retrofit Installer Shell, Retrofit Installer Mechanical and Crew Leader-Shell. The requirements and timelines for these competencies are contained in Indiana's Policy and Procedures Manual Section 7. Section 7 will be included in the Policy and Procedures Manual attached to the SF-424.

Subgrantees are required to ensure that all staff and contractors meet IHCD and applicable DOE training requirements and properly track training documentation. IHCD reviews the training documentation and tracking during their monitoring process to ensure compliance. Time Limits for becoming Indiana Weatherization Competent:

- All Subgrantee staff/contractor new employees will have 9 months commencing 45 days from their date of hire to become Indiana Weatherization Competent in the categories of Energy Auditor, Retrofit Installer (Shell and/or Mechanical) and Crew Leader.
- All Subgrantee staff/contractor new employees will have 9 months commencing 45 days from their date of start in specific training for BPI QCI to obtain BPI QCI Certification.
- Subgrantees are allowed to enroll new staff/contractor employees in training prior to the expiration of the 45 days if they choose to do so. This decision should be based upon the expectation that the new staff/contractor employee will be retained in their new position.
- Subgrantees may shorten the 45 day grace period to 30 days provided this shortened time period is approved by IHCD and included in the Sub-grantee's policy and human resources manuals.

Each IHCD Subgrantee is responsible for accurately tracking all staff and/or contractor competencies and certifications. This tracking must include the following information:

- Individual name and competency(s) and/or BPI certifications held
- Date competencies and/or BPI certifications expire
- Hire date
- Attendance at Annual Competency Maintenance Training

- Current BPI/INCAA Certifications where applicable
- Record of training for 12 hours of CEUs
  - IHCDCA will verify training records and qualifications of all Subgrantee staff, crew members and contractors annually near the end of March. Subgrantees must be prepared to provide training documentation whenever it is requested by IHCDCA. Training records must contain clear documentation and verification that the required and appropriate training was attended and completed. Examples of this documentation include copies of training certificates, sign-in sheets (conferences for example), and BPI student portal information. IHCDCA may, at their discretion, monitor the tracking and completion of the required training at times other than listed in the bullet point above.

Comprehensive client education is provided to the Weatherization program through INCAA's Client Education course; however, client education components are also covered in the Energy Auditor, Quality Control Inspector, Retrofit Installer Shell and Mechanical, and the ASHRAE 62.2 courses. Several additional courses taught at INCAA also have components of Client Education embedded into those curriculums. T&TA activities that took place in Indiana during the **annual** DOE grant cycle include, but are not limited to the following:

- National DOE BPI Quality Control Inspector certification training and testing activities
- National DOE BPI Energy Auditor certification training and testing activities
- National DOE Multifamily Building Analyst training and certification activities
- BPI Healthy Home Evaluator training
- Indiana Competency training and testing for Energy Auditor
- Indiana Competency training and testing for Retrofit Installer Mechanical, Retrofit Installer Shell & Crew Leader
- Indiana Competency Maintenance Trainings ASHRAE 62.2 - 2016 Training
- SWS for Weatherization Professionals
- Participation in and attendance by IHCDCA staff to both NASCSP Conference. Attendance by INCAA Training Team Leader to Winter NASCAP Conference
- On-site T&TA at IHCDCA provided by NASCSP
- Sub-grantee on-site T&TA activities statewide with IHCDCA staff
- Sub-grantee on-site T&TA activities statewide with INCAA training staff
- Two (2) Semi-Annual Managers Meetings, hosted by IHCDCA
- Four (4) Semi-Annual Technical Trainings, hosted by INCAA
- Certification/Competency Maintenance Trainings T&TA for Indiana's Field Guide/SWS document
- Maintenance of Indiana's site built and mobile home waiver audits
- Increased training on NEAT/MHEA/MulTEA auditing software

T&TA Activities anticipated to take place during the **annual** DOE Funding Cycle include, but are not limited to the following:

- Continued testing for BPI QCI and DOE/BPI Energy Auditor Certification
- Testing for BPI Crew Leader Certification
- Testing for BPI Healthy Home Evaluator Certification
- Continued participation and attendance to NASCSP Conferences Continued training and testing for Indiana's competencies
- Work with Sub-grantees and INCAA training staff to develop quarterly "Best Practice" T&TA meetings that allow:
  - Weatherization staff to share successful processes and practices
  - Provide Optimizing Weatherization Resources Training for Sub-grantee Executive Directors & financial staff
  - Provide RRP initial and refresher training for Indiana's Weatherization Network Provide OSHA 10-hour training opportunities
  - Provide Multi-family Building Analyst and QC training
- Enhanced focus on NEAT/MHEA/MulTEA training and use within Indiana's Weatherization Network

- Research and Development by INCAA on improving forms, researching current practices, etc.
- Provide MULTEA training for Multi-Family audits

In 2019, Indiana received the energy savings results from PRISM/BEAcon to evaluate energy savings at each subgrantee. This program was used to evaluate one year pre- and post-weatherization utility usage of metered fuels. These results are shared with sub-grantees revealing their individual results along with the state averages. Each sub-grantee is encouraged to evaluate the savings information to see how they performed individually and in comparison to the state average. The information shared from PRISM/BEAcon also breaks down the performance of each contractor and energy auditor. Subgrantees are also encouraged to look at this information to identify top performers and those who may need additional training or oversight. In the past, savings information was utilized as part of Indiana's incentive pool for future and active funding opportunities. In PY 2024-2025 IHCDAs do not plan to use the incentive pool, because the energy savings data is not available from the previous program year.

**Below are the increased allocation guidelines if IHCDAs opt to use:**

Sub-grantees are encouraged to use energy analysis and evaluations in program decisions. IHCDAs will hold back a certain percentage that can be given out on request to sub-grantees who have spent out their allocation.

Indiana may opt to utilize an increased allocation process in conjunction with issuing funding allocations that promotes energy savings and sound program management. DOE allocations are distributed using the census-based allocation formula for 50% of Weatherization sub-grantees contracted funds. IHCDAs will review benchmarks yearly and allocate as necessary. The remaining 50% of the allocation is distributed out to those Weatherization sub-grantees who meet all of the following criteria:

1. 90% or more of the prior reporting cycle contract total must have been expended.
2. Annual Closeout Reports must be submitted and approved on time (within 45 days after the annual reporting cycle ends). IHCDAs DMS, IWAP Quarterly, Job Expense and sub-grantee annual closeout report must match exactly when final claims are processed, with all line items and averages being within allowable limits.
3. No Weatherization sub-grantee operating under a 120-day or modified Quality Improvement Plan (QIP) will be included in the increased allocation process.
4. Weatherization sub-grantees must demonstrate regular use of the XRF for lead based paint testing.
5. Sub-grantee must meet the 45 day requirement for vendor and sub-contractor payments

**To meet requirements within [WPN 22-4](#) IHCDAs added the following language to their Subgrantee contracts:**

“Subgrantee shall perform weatherization services during the Term in accordance with the U.S. Department of Energy Weatherization Assistance Program State Plan for the State of Indiana, the Indiana Weatherization Field Guide, the Indiana Weatherization Policy and Procedures Manual, other State Weatherization directives as applicable, and any amendments thereto (collectively “State Weatherization Plan and Directives”). Upon completion of the document aligning Indiana’s Weatherization Field Guide and DOE’s Standard Work Specifications (SWS), Subgrantee shall abide by and perform all work in accordance with said document. The Sub-grantee’s signature on this agreement signifies its responsibility to follow all work standards as outlined in the documents referenced in this paragraph.”

“Subgrantee shall ensure that all Weatherization staff and sub-contractors who perform or provide Weatherization services to client units receive and adhere to all standards as outlined in Indiana’s Weatherization Field Guide, Indiana’s Weatherization Policy and Procedures Manual, the Department of Energy Weatherization Assistance Program State Plan for Indiana and other State Weatherization directives as applicable. Upon completion of the document aligning Indiana’s Weatherization Field Guide and DOE’s Standard Work Specifications (SWS), sub-grantee shall abide by and perform all work in accordance with said document. The sub-grantee’s signature on this agreement signifies its responsibility to follow all work standards as outlined in the documents referenced in this paragraph as well as its responsibility to ensure that its Weatherization staff and sub-contractors receive and review these documents and use them to guide the Weatherization work performed in client units by them.”

Prior to issuing the PY 2024-2025 DOE Grant Agreements, IHCD ensure the above language is included to indicate that all work performed will meet or exceed Indiana's Weatherization Field Guide/SWS aligned document.

**Tier 1 and Tier 2 Training:**

Indiana will continue to work with INCAA to provide the needed Tier 1 and Tier 2 training as required by [WPN 22-4](#). For Tier 1 training, INCAA continues to offer training for

- Quality Control Inspector
- Energy Auditor
- Retrofit Installer Shell
- Crew Leader.

For Tier 2 training, INCAA continues to offer the following, but are limited to the following training opportunities:

- Moisture Assessment
- Daily Safety Test Out
- Retrofit Installer Mechanical
- Lead Safe Work Practices
- Applying ASHRAE 62.2 – 2016
- Optimizing Weatherization Resources
- Program Management
- SWS
- Client Education
- CAZ Pressure Diagnostics
- NEAT/MHEA/MuTEA training
- Mechanical Systems for Auditors
- Electric Furnace and Heat Pump Inspections
- Vent Systems and Combustion Air Requirements
- Boiler Inspections
- Carbon Monoxide and Combustion Analysis
- Oil Furnace Training
- New Furnace Installation Inspections.

INCAA's class registration system is capable of placing students on a waiting list if a class is full at the time of registration. By utilizing the waiting list, INCAA, in cooperation with IHCD, can monitor the need for classes and change the schedule as necessary. INCAA utilizes this information to populate the classes as they move forward through the grant cycle.

IHCD recognizes that the primary focus for Tier 1 training during the 2024-25 Program Year to be on all Tier 1 training, including Quality Control Inspector, Energy Auditor, Retrofit Installer Shell and Crew Leader. INCAA will continue to offer a Multifamily QC course, the most recent offering being in 11/2021. IHCD understands the importance of ensuring that the new information contained within [WPN 22-7](#) Health & Safety guidance, as well as Indiana's updated SWS-aligned Field Guide, is fully realized and understood by all sub-grantees and contractors within the Weatherization network. IHCD will continue to support efforts to position Indiana's WX Network to test for the national Energy Auditor Certification. INCAA has incorporated all components of [WPN 22-7](#) into the Client Education course in addition to periodically offering a training course. Additionally, INCAA provides SWS training for Weatherization Professionals. The Semi-Annual Technical Trainings, Competency Maintenance Refresher, Semi-Annual Managers meetings courses are designed to specifically include addressing updates or changes in DOE, IHCD, SWS, Code, etc throughout each FY.

Below is the Training Schedule for PY 2024

Training Topic(s)	Training Category	Comprehensive or Specific Training?	Planned Year and Quarter	Training Center/Provider
<i>"Example" QCI Training - Include HEP Occupation if applicable</i>	<i>Technical, Administrative/Programmatic, Fiscal</i>	<i>Comprehensive, Specific</i>	<i>PY 2023 Q1</i>	<i>Weatherization Academy (IREC accredited)</i>
Retrofit Installer Shell	Technical	Specific	Quarterly	Indiana Community Action Association
Retrofit Installer Mechanical	Technical	Specific	Quarterly	Indiana Community Action Association
Energy Auditor	Technical	Specific	Quarterly	Indiana Community Action Association
Crew Leader	Technical	Specific	Quarterly	Indiana Community Action Association
BPI Quality Control Inspector	Technical	Specific	Quarterly	Indiana Community Action Association
Zone Pressure Diagnostics	Technical	Specific	Quarterly	Indiana Community Action Association
High Performance Insulation	Technical	Specific	Quarterly	Indiana Community Action Association
Daily Safety Test Out Procedures	Technical	Specific	Quarterly	Indiana Community Action Association
Mobile Home Weatherization	Technical	Specific	Quarterly	Indiana Community Action Association
Carbon Monoxide and Combustion Analysis	Technical	Specific	Annually	Indiana Community Action Association
Electric Furnace & Heat Pump Inspections for Auditors/QCI's	Technical	Specific	Annually	Indiana Community Action Association
Electric Furnace & Heat Pump Inspections for HVAC Professionals	Technical	Specific	Annually	Indiana Community Action Association
Oil Furnace Training	Technical	Specific	Annually	Indiana Community Action Association
Boiler Inspections	Technical	Specific	Annually	Indiana Community Action Association
Vent Systems & Combustion Air Requirements	Technical	Specific	Annually	Indiana Community Action Association
Heating System Airflow Diagnostics	Technical	Specific	Annually	Indiana Community Action Association
Mechanical Systems for Auditors	Technical	Specific	Annually	Indiana Community Action Association
CAZ Pressure Diagnostics for Auditors and Heating Techs	Technical	Specific	Annually	Indiana Community Action Association
NEAT/MHEA/MulTEA	Technical	Specific	Annually	Indiana Community Action Association
Whole House Heat Load Calculations	Technical	Specific	Annually	Indiana Community Action Association
New Furnace Installation Inspections	Technical	Specific	Annually	Indiana Community Action Association
Applying The ASHRAE 62.2	Technical	Specific	Annually	Indiana Community Action Association
DOE Health & Safety Policy	Programmatic	Specific	Annually	Indiana Community Action Association
Healthy Homes Evaluator	Technical	Specific	Annually	Indiana Community Action Association
Communication in Weatherization	Programmatic	Specific	Annually	Indiana Community Action Association
Water Heater Inspection	Technical	Specific	Annually	Indiana Community Action Association
Client Education	Programmatic	Specific	Annually	Indiana Community Action Association
SWS for Weatherization Professionals	Technical	Specific	Annually	Indiana Community Action Association
Lead Safe Weatherization	Technical	Specific	Annually	Indiana Community Action Association
Moisture Assessment	Technical	Specific	Annually	Indiana Community Action Association
Testing for DOE's QCI and Energy Auditor Certifications	Technical	Specific	Annually	Indiana Community Action Association
Multi-Family QCI Training for QC	Technical	Specific	Annually	Indiana Community Action Association
Multi-Family Training Building Analyst for Energy Auditors	Technical	Specific	Annually	Indiana Community Action Association
Optimizing Weatherization Program Resources	Programmatic	Specific	Annually	Indiana Community Action Association
OSHA 10	Technical	Specific	Annually	Indiana Community Action Association
SHPO Training	Programmatic	Specific	Annually	Indiana Community Action Association
Cost and Budgets, overhead VS production	Programmatic	Specific	As needed	Hutson Homes LLC
Production Tracking and moving	Programmatic	Specific	As needed	Hutson Homes LLC
Compliance	Programmatic	Specific	As needed	Hutson Homes LLC

The following is from Section 7 of the PY 2024-2025 Policy & Procedure Manual.

## Section 7: Training

### 7.1 Importance of Training

Due to the ever-changing and highly technical nature of the WAP, a high priority has been placed on the training aspect of the program. Technical assistance provides guidance and assistance on specific issues/questions found in all aspects of Weatherization. Training and technical assistance in the field, via telephone or email, is provided by either INCAA training staff or IHEDA staff. This assistance is provided to all sub-grantee contractors and sub-grantee staff including but not limited to executive directors, fiscal staff, program managers, and all other weatherization employees. Sub-grantees and contractors are strongly encouraged to take full advantage of the opportunities available to them for program enhancement and improvement through training and technical assistance.

IHCDA continues to maintain a strong position that the Indiana WAP will maintain its high levels of technical expertise and energy savings through the continued emphasis on its training and technical assistance component. Ongoing training and sub-grantee program/technical monitoring are tools which IHCDA utilizes to ensure that weatherization measures are applied consistently, and that Indiana maintains a high standard of work. IHCDA implements training requirements to ensure that funds provided are used on weatherization measures that will enhance energy savings while ensuring the health and safety of the unit occupants. By including all weatherization professionals in this process, it ensures organizational performance while providing the means for evaluating weatherization achievements and as developing plans to improve upon Indiana Weatherization.

In Indiana, Weatherization specific training and technical assistance is offered by the Indiana Community Action Association (INCAA). INCAA is an Interstate Renewable Energy Council (IREC) accredited training center. INCAA will be providing training in PY 2024-2025. Lead Risk Assessor and Lead Inspector training is offered by the Environmental Management Institute (EMI).

Weatherization professionals can find Indiana Weatherization Field Guide, Health & Safety Plan guidance, and current State Plan at MyIHCDA's [Program Partners](#).

At the beginning of each DOE program year, sub-grantees are required to submit a list of weatherization program professionals—in house staff and contractors to IHCDA and INCAA. Sub-grantee contractors at a minimum must hold OSHA 10 training prior to entering a client's home. IHCDA will only fund training for weatherization professionals on the submitted and updated list. Any changes in staffing must be reported to IHCDA and INCAA immediately. Sub-grantee Executive Directors and Weatherization Program Managers may only request and view testing results for their employees or sub-contractors.

Time Limits for becoming Indiana Weatherization Competent:

- All sub-grantee staff/contractor new employees will have 9 months commencing 45 days from their date of hire to become Indiana Weatherization Competent in the categories of Energy Auditor, Retrofit Installer (Shell and/or Mechanical) and Crew Leader. IHCDA will not fund training beyond the 9 months and 45 days from the day of hire if the person does not become weatherization competent.
- All sub-grantee staff/contractor employees must have a completed background check prior to being allowed to work in/on client units. IHCDA's specific requirements for background checks are detailed in this manual.

## 7.2 Certifications

In order to be employed as a Weatherization Professional, one must be working toward or must hold at least of one of the following certifications. Indiana has established Weatherization competency standards known as the Indiana Skills Verification (ISV) competencies. The Building Performance Institute in conjunction with DOE have established competency standards as well. **Either are acceptable credentials to hold to perform one's duties and it is permissible that the subgrantee utilize alternate training to prepare their staff for Weatherization. Holding both BPI and ISV (Mechanical) certifications are not required to be a Weatherization Professional.** Please refer to the table in Section 7.3 for needed education for each role. The following credentials are recognized for weatherization professionals working in Indiana:

- ISV Energy Auditor
- ISV Retrofit Installer for Shell Professionals
- ISV Retrofit Installer for Mechanical Professionals
- ISV Crew Leader for Shell Professionals
- BPI Energy Auditor
- BPI Quality Control Inspector
- BPI Crew Leader for Shell Professionals
- BPI Healthy Home Evaluator
- Indiana Approved Pre-Audit Inspector



The Program Management class is required for all new program managers and strongly recommended for all program managers.

INCAA provides training and certification opportunity for all the above-mentioned certifications.

### 7.3 Minimum Training Requirements

The chart below depicts what courses and the applicable examinations individuals working in Indiana Weatherization are required to successfully complete based on position.

	OSHA 10 (before entering clients home)	Lead Safe Weatherization	Moisture Assessment	Retrofit Installer	Mechanical Blocks for Shell Professionals*	CAZ Pressure Systems for Auditors	NEAT/MHEA/Mult EA	Applying ASHRAE 62.2	SWS	Energy Auditor	Quality Control Inspector	Crew Leader for Shell Professionals	Weatherization Mechanical Systems for Heating Technicians
Energy Auditors	X	X	X	X	X	X	X	X	X	X			
Quality Control Inspectors	X	X	X	X	X	X	X	X	X	X	X		
Pre-Audit Inspectors	X		X										
Retrofit Installer for Shell Professionals	X	X	X	X									
Crew Leader	X	X	X	X					X			X	
Retrofit Installer Mechanical Professionals	X	X	X										X
Retrofit Installer Mechanical Helper	X												

\* See list of Retrofit Installer Blocks

\*Retrofit Installer blocks for Shell Professionals includes:

- Block 1
  - Introduction to Weatherization
- Block 2
  - Retrofit Installer Shell – Air Sealing
  - Air Sealing Field Day
- Block 3
  - Retrofit Installer Shell – Insulation
  - Insulation Field Day

In order to ensure their safety, all professionals working in Indiana Weatherization are required to successfully complete OSHA 10 the following courses before entering a client' unit. Sub-grantees will have 9 months and 45 days to complete their designated certifications and obtain the required trainings as required by Section 7.1, unless a waiver is provided by IHEDA.

**Designated Indiana Pre-Audit Inspectors (holding no other certifications):** Pre-audit inspectors may not enter client units without supervision of an Indiana certified Weatherization Professional until successful completion of each of the abovementioned courses.

**Crew Leader for Shell Professionals:** It is highly recommended that the Crew Leader also hold the EPA RRP Lead Renovator Certification. A crew leader is required to be on a job site at all times.

**Retrofit Installer Mechanical Helper:** Mechanical Helpers are not allowed to be on client premises without the Retrofit Installer Mechanical Professional also being on the premises.

### Indiana Skills Verification Standards

All individuals desiring to become ISV certified must be sub-grantee staff, contractors, or contractor employees holding a current contract with the sub-grantee unless IHCDCA provides prior written approval to the sub-grantee and INCAA.

- Mechanical Helpers are not required to hold ISV certification.
- ISV written testing is administered at the end of the Retrofit Installer for Shell Professionals, Crew Leader, Retrofit Installer for Mechanical Professionals, and Energy Auditor courses.
- The results of ISV written and field testing will be tracked by INCAA. The results of the ISV written and field testing will be available to IHCDCA, the sub-grantee Weatherization Program Manager, and the sub-grantee Executive Director upon written request to the INCAA Weatherization Training Team Lead

### Specialty Contractors

- Specialty contractors who are performing limited, rarely utilized services such as specialty plumbers, exterminators, mold remediation, or specialty electricians **are not** required to hold ISV certification.
- Specialty contractors who complete work in units which results in changes to exhaust systems, ventilation systems or the tightening of the unit **are required** to complete the Daily Safety Test Out (DSTO) training at INCAA and **are required** to complete a DSTO form upon completing their work on the unit. Or a representative from the subgrantee must complete the DSTO at the end of each specialty contractor work day when applicable.

### Testing Parameters

Becoming Indiana Weatherization Competent will require passing both a written exam and field exam.

The skills exam will involve performing skill sets associated with the competency category being tested.

- Both the written and field test are pass/fail. There will be no provisional results given.
- Should retesting of the skills verification be necessary only the portion failed by the candidate will need retested.
- Should retesting of the written test be necessary, the entire written test must be completed.
- All testing results will be sent to the candidate, the sub-grantee Weatherization Program Manager and the sub-grantee Executive Director.
- Candidates will have three opportunities to pass all testing to become Indiana Weatherization Competent. Individuals that fail to pass competency on the third attempt will be required to submit a formal request to IHCDCA for reapplication to work in Indiana's Weatherization Assistance Program for consideration.
  - An individual working in a current competency will not be reprimanded for failure to expand their competencies. For example: if an individual has become Indiana Weatherization Competent as a Retrofit Installer Shell, this same individual tests to become a Crew Leader but fails three attempts. This individual would be allowed to work in Indiana's Weatherization Assistance Program as a Retrofit Installer Shell but not perform the duties of a Crew Leader.
- IHCDCA will only pay for the first attempt for an individual to pass competency. In the case of a failed attempt, the sub-grantee or contractor will be responsible for the cost of any subsequent test procedures.
- Competency testing must take place no later than the conclusion of the 9-month training period commencing 45 days from their hire date **unless there has been an approved request for accommodation by IHCDCA.**

See BPI's [Certified Professionals](#) designations (Energy Auditor, Quality Control Inspector, Crew Leader, Healthy Homes Evaluator). IHCDCA will only fund the first attempt for BPI testing for each designation.

## 7.4 Duration, Maintenance, and Recordkeeping

Each Indiana competency will be in effect for 3 years. At the end of the 3-year duration each competent individual must re-test and pass the skills verification portion of their competency(s). Each candidate will have three opportunities to pass the skills verification portion of their competency(s). IHCDCA will only pay for the first attempt for an individual to pass competency. In the case of a failed attempt, the sub-grantee or contractor will be responsible for the cost of the second testing event. At the end of 3 years, individuals holding competencies as both Retrofit Installer Shell and Crew Leader will only need to test for and pass the Crew Leader competency. Passing the Crew Leader skills portion will initiate the next 3-year cycle for both the Retrofit Installer Shell and Crew Leader competencies. From that point forward, both competencies will have the same expiration dates.

Individuals are required to perform the Crew Leader testing based upon which competency expires first. For example, an individual's Retrofit Shell Competency expires on April 15, 2016 while their Crew Leader expires on June 30, 2016. This individual is required to perform the Crew Leader testing PRIOR to the April 15<sup>th</sup> date – it is the competency that expires first. The BPI Quality Control Inspector certification is also in effect for 3 years. All BPI requirements regarding the QCI certification must be followed to maintain this certification. All Indiana Weatherization Competent, QCI and BPI certified individuals are required to attend an Annual Competency Maintenance Training in years 2 and 3 of their competency(s) or BPI Certification. If a certification expires and is not renewed concurrent to the certification expiration then written notification must be sent to IHCDCA with a request for extension and allowances for a timely recertification must be made.

The Program Manager must keep and maintain up to date records of all weatherization professional certifications and training information on file and have access to the records at all times. This tracking must include the following information:

- Individual name and competency(s) and/or BPI certifications held
- Date competencies and/or BPI certifications expire
- Hire date
- Attendance at Annual Competency Maintenance Training
- Current BPI/INCAA Certifications where applicable
- Record of training for **12** hours of CEUs

### Continuing Education Units

The requirement of Continuing Education Units (CEUs) is designed to ensure that Indiana's Competent and Certified individuals increase their knowledge base beyond what is necessary to obtain the competency. This is one way that IHCDCA is helping to ensure that each client's unit receives the highest quality of Weatherization services possible.

- Record of CEUs **must** be tracked by the **sub-grantee** for their Weatherization staff, crews, and contractors.
- The **12** CEUs requirement is per individual and not per competency. For example, an individual holds competencies for both Retrofit Installer Shell and Energy Auditor. This individual is only required to obtain **12** CEUs.
- Sub-grantees must track the training that was taken connected to the claimed CEUs for review at time of monitoring. This tracking must include documentation verifying completion of the training, who performed the training and the length of time that the training lasted.
- **Non-technical training for CEUs is limited to four (4) hours.**
- The requirement for CEUs begins the following **Program Year** that an Indiana Competency is obtained.
- BPI requires that individuals holding BPI certifications obtain 24 CEUs over the 3-year duration of the certification.

The following is a list of examples of training that apply toward the **12** hours of Indiana CEU:

CEU	CEU Category	Example	Documentation required	Limitation
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Ratio				
1 hour training : 1 CEU	INCAA or IHCD A Provided T&TA	Training on site	<ul style="list-style-type: none"> <li>• Sign in sheet with date and time</li> <li>• Instructor's name</li> <li>• Location</li> </ul>	None
1 hour training : 1 CEU	Weatherization Specific Conference	Affordable comfort, HPC, Energy out West	<ul style="list-style-type: none"> <li>• Sign in sheet with date and time</li> <li>• Instructor's name</li> <li>• Location</li> </ul>	None
1 hour training : 1 CEU	Manager/Technical training	SATT, CMR	<ul style="list-style-type: none"> <li>• Email confirmation of attendance</li> </ul>	None
2 hours training : 1 CEU	Non-weatherization specific courses and respective refreshers	Lead, mold, OSHA	<ul style="list-style-type: none"> <li>• Certificate or card required</li> </ul>	10 CEU / certificate cycle
4 hours training : 1 CEU	Training provided by manufacturers that promotes specific model or style produced by manufacturer	Installation of Navien water heaters, class provided by Navien about Navien	<ul style="list-style-type: none"> <li>• Sign in sheet with date and time on manufactory's letterhead</li> <li>• Instructor's name and contact information</li> <li>• Summary of how training will improve weatherization</li> </ul>	None

**The following is a list of examples of training that DO NOT apply toward CEUs:**

- The required training to obtain a first competency DOES NOT count toward CEUs. For example – someone is taking the 5-day Energy Auditor training to obtain their Energy Auditor Competency. This 5-day class DOES NOT count as CEU's – it is required to obtain the competency (For instance, if the above person takes a CAZ class to supplement the Energy Auditing training, the CAZ class DOES count toward their CEUs).
- Classes outside of INCAA that do not pertain to Weatherization skills and topics
- Classes that are taken for which the Sub-grantee has no documentation of class completion or attendance

Please note that these are not exhaustive lists. Questions regarding whether or not a particular training would/should apply toward the 12 hours of continuing education should be directed to IHCD A prior to attending the training.

Questions regarding industry specific training being allowed to count toward the 12 hours of training should be directed to IHCD A.

**IHCD A recommends that the required CEUs be obtained through training offered through the accredited Weatherization courses offered at INCAA.**

IHCD A will verify training records and qualifications of all sub-grantee staff, crew members and contractors annually near the end of March. sub-grantees must be prepared to provide training documentation whenever it is requested by IHCD A. Training records must contain clear documentation and verification that the required and appropriate training was attended and completed. Examples of this documentation include copies of training certificates, sign-in sheets (conferences for example), and BPI student portal information. IHCD A may, at their discretion, monitor the tracking and completion of the required training at times other than listed in the bullet point above.

**7.5 Additional Competency/Training Requirements**

IHCD A staff and contracted monitors responsible for evaluation of sub-grantee administrative performance are required to complete at least 8 hours of administrative training per year.

IHCD A staff and contracted monitors responsible for evaluation of sub-grantee technical performance are required to complete at least 10 hours of technical training per year; and are required to be either Indiana Weatherization Competent as an Energy Auditor or BPI certified as an Energy Auditor and be certified as a BPI Quality Control Inspector.

Weatherization Program Managers responsible for the administration of the Weatherization Assistance Program at the sub-grantee level are required to attend all Semi-Annual Managers Meetings (SAMM) as well as any other required administrative offerings provided by IHCD. If a Weatherization Program Manager is not able to attend any required training, an appropriate representative from the sub-grantee must attend in their place. SAMM's will be held twice per year and other administrative courses will be held as deemed necessary by IHCD. When possible, IHCD will attempt to host trainings via webinar, video conferencing, distance learning, or conference calls. Each sub-grantee is required to send at least one technical representative for their field staff/contractors to all Semi-Annual Technical Trainings (SATT). **Violating this requirement will result in a Quality Improvement Plan from IHCD.**

Verification of LSWP/Moisture certification is not required after 4 years of continuous employment in the Indiana WAP as an ISV mechanical, crew leader, shell, audit or QCI.

## 7.6 Additional Training Opportunities

IHCD utilizes INCAA as the Indiana Weatherization Training Center and for Technical Assistance. Course subjects, course descriptions, length of classes, prerequisites, and schedules are located on INCAA's [website](#).

Classes are filled on a first come-first served basis. Once a class is filled, sub-grantees and contractors are encouraged to continue to register for the filled class so they can be placed on the waiting list. It is not uncommon for a spot to open 3 to 5 days prior to the class. To be placed on the waiting list individuals must register for the class. A sub-grantee may also contact the INCAA Training Team Leader to request a specific course be taught at the sub-grantee agency address. A sub-grantee or contractor may also request on site training or technical assistance from the INCAA training staff. It should be noted all courses may not be suitable for being held at the sub-grantee address, but INCAA will make these accommodations when possible.

Sub-grantee staff and contractors may also contact INCAA training team staff directly to request on-site Training and Technical Assistance to be held at specific job sites. These on-site T&TA opportunities will earn attendees one CEU per hour of T&TA.

## 7.7 Background Checks

In order to protect the safety of clients receiving weatherization services, sub-grantees must perform a criminal background check and employment verification prior to the employment of sub-grantee/contractor employees planning to work with clients or in the unit of client's being rehabilitated or weatherized as a part of Indiana's Weatherization Assistance Program. IHCD is instituting a look-back period for convictions to 7 years for individuals employed by sub-grantees for the Weatherization program. This policy mirrors the State's employment policies. The criminal background report must contain a criminal background check which includes the following:

- State and county records from all 50 states including data from courts, sexual offender registries and department of correction records.
- An Indiana criminal history check which contains records of criminal convictions or currently pending criminal charges in counties throughout the State of Indiana.
- A Social Security Number (SSN) Trace which provides names and addresses associated with a social security number along with the date and state of its issuance (this is a tool to aid in verifying the identity and location of a particular applicant).
- Confirmation of employment dates and job titles held with previous employers, the reason for leaving, and eligibility for rehire, if available.
- Sub-grantees must use careful consideration when analyzing the results of the reports and follow their internal agency policies. Must prohibit employment of anyone appearing in any sex offender registry. Deviations from internal policies must be discussed and approved by their board of directors.
- Sub-grantee Weatherization Program Managers are encouraged to work with their Human Resources and Executive Staff personnel to develop acceptable hiring practices based upon background check results.

- It is the sub-grantee's responsibility to ensure that this background check is performed and properly tracked for all sub-grantee weatherization staff and contractor employees.

## 7.8 Compliance Issues

IHCDA will evaluate compliance with competency and other required training annually. Sub-grantees must be prepared to provide IHCDA with training documentation whenever it is requested by IHCDA.

The sub-grantee must ensure that all persons meet the applicable certification and training requirements. If a sub-grantee has been found to have a person(s) working or worked on a weatherization unit without the above-mentioned requirements, IHCDA may take the following steps:

- Issue a written finding with a timeline for resolution of the non-compliance issues
- Require re-works or re-inspections at the sub-grantee/contractor expense
- Require repayment of all funds claimed for the affected Weatherization work
- Hold the sub-grantees weatherization financial claims until all issues are properly addressed
- Temporarily suspend the noncompliant person from performing work in Indiana's Weatherization Assistance Program.

IHCDA will review sub-grantee compliance through sub-grantee files (tracking) and INCAA training records. It is the responsibility of the sub-grantee to identify within the client file each individual who entered the unit.

## 7.9 Roles and Responsibilities

### Pre-Auditor

A Pre-Auditor conducts an assessment of the applicant's house to ensure the home is in good condition to participate in the program to expedite the energy auditor's assessment. This may include an assessment that is not limited to determining the habitability and the ability to perform work on the house as well as energy savings opportunities. A Pre-Auditor may recommend a deferral to the Weatherization manager so long as they have completed the required training to be determined a Pre-Auditor. The deferral policy must always be followed (refer to section 10).

### Energy Auditor

An energy auditor is a residential energy-efficiency professional who evaluates the energy efficiency and health & safety of a unit and conducts field measurements and diagnostic testing to identify areas for energy savings and enhancements. The energy auditor produces a work order based upon the information gathered to direct the energy efficient work and installed measures for units to be weatherized.

### Quality Control Inspector

A quality control inspector (QCI) is a residential energy-efficiency professional who ensures the completion, appropriateness and quality of energy efficiency upgrade work and installed measures. Per [WPN 22-4](#), the QCI is an individual that has no involvement in the prior work on the unit either as the auditor or as a member of the crew. IHCDA will monitor a minimum of 5% of DOE completions.

- Separation of duties between the Energy Auditor and QCI must be clearly defined and not crossed
- Weatherization Program Managers who would like to perform QCI must obtain prior IHCDA approval
- The QCI must take every precaution necessary to not become involved in the decision-making process regarding the work being performed at the unit
- All additional work or needed re-work should be brought to the attention of the WX Program Manager or Energy Auditor and not handled directly by the QCI.
- Crew Leaders should seek guidance on performing work from the WX Program Manager or Energy Auditor.

## **IHCDA Expectations and Best Practices for Indiana's Weatherization Network**

IHCDA allows two options for meeting the Quality Control Inspection requirement. Sub-grantees must apply to IHCDA in order to be able to utilize the Energy Auditor as the QCI option and must indicate their intended method to IHCDA for consideration. Sub-grantees that do not submit a plan to IHCDA will be required to utilize a QCI that was not the Energy Auditor.

### **When Energy Auditor is QCI**

The auditor performs the audit, creates the work order, and performs the final quality control inspection. The auditor is not involved in any of the actual work on the unit. Because this model does not allow for an independent review of the audit on every unit, IHCDA is required to increase the percentage of quality assurance reviews to ensure that audits are being performed consistently and correctly. IHCDA will monitor a minimum of 10% of DOE completions.

Inspectors shall not participate in professional activities involving a conflict of interest. A conflict of interest occurs when an inspector is inappropriately motivated by any financial, personal, or professional incentive other than the production of a professional report that clearly, completely, and usefully reflects the conditions observed during the audit. Inspectors shall avoid, whenever possible, even the appearance of a conflict of interest and shall disclose all potentially questionable associations and relationships in advance to IHCDA with a legitimate right to be informed of them.

Inspectors shall not inspect work performed by organizations under arrangements whereby any compensation or future referrals to the inspector depend on or are influenced by the findings of the report. Compensation includes direct and indirect remuneration as well as substantial gifts and favors. Inspectors shall not accept any form of compensation for recommending products or services to clients or other parties having an interest in the inspected work.

Additional documentation may be required by IHCDA if necessary, including:

- Documentation of the independent status of the Quality Control Inspector
- Documentation outlining any involvement of the QCI in the audit process

Quality control inspections are subject to IHCDA assessment of effectiveness and compliance with program inspection policies and monitoring will include documentation of any findings related to the quality of the inspection and impartiality of the inspection process. IHCDA will maintain tracking of all sub-grantee QCI activities to include all aspects of the sub-grantee developed QCI process, subsequent corrective actions, and final outcomes.

If sub-grantees are found to be out of compliance, remedial training may be required for the QCI, the installation contractor, and/or sub-grantee staff. Limited remedial training may be provided by IHCDA staff onsite at the time of the monitoring, or more extensively through the training facility at INCAA if necessary. Alternatively, IHCDA staff may provide more comprehensive training at a later date. Repeated noncompliance issues after remedial training may result in the agency being placed on QIP, or a reduction in funding. All compliance issues found with QCIs are subject to IHCDA review and may result in the QCI not being allowed to perform inspections for Indiana WAP.

Sub-grantees are required to ensure that each weatherization completion receives an appropriate and properly executed QC inspections. This inspection must be performed by a BPI certified Quality Control Inspector (QCI). IHCDA, as part of their regular monitoring procedures, will review QC inspection forms, sub-grantee inspection processes and completed units to ensure the inspections are being performed correctly and in a manner that meets DOE expectations. [WPN 22-4](#).

Failure by the sub-grantee to utilize the QCI process correctly may result in the associated completion(s) being considered unallowable, and all associated cost being returned to IHCDA. Should multiple instances of poorly performed inspections be found, IHCDA will, at the very minimum, place the sub-grantee on a Quality Improvement Plan (QIP).

## 7.10 Training Stipend

Sub-grantees will be allotted a \$2,000 base award through the DOE award with an additional \$500 for every county serviced per grant cycle for the purpose of providing Training and Technical Assistance for sub-grantee staff and contractors performing weatherization work for the sub-grantee. Sub-grantees can request additional T&TA stipend on a first come first served basis. These funds may be used for expenses related to weatherization training, including:

- Class Fees
- Material Fees
- Written / Field Testing
- CEU Events
- Salary / Wage / Time reimbursement
- Travel Expenses (excluding meals)
- Lodging
- Providing reasonable meals at **annual** contractor trainings

Contractors must have an active contract with the sub-grantee before being considered for the stipend. Requests for stipends to reimburse contractors without an active contract must be reviewed by IHCD.

Sub-grantees that use a stipend for contractors and staff must provide training documentation to IHCD upon submitting claims for the stipend. Training records must contain clear documentation and verification that the required and appropriate training was attended and completed. Examples of this documentation include copies of training certificates, sign-in sheets, and BPI student portal information.

Examples of allowable courses are listed on INCAA's [website](#), as well as those outlined in this section. Sub-grantees must have approval from IHCD for classes not listed prior to attending if the stipend will be used. Other associated costs related to training not listed above must first be approved by IHCD.