Energy Waste Reduction Low Income Workgroup













September 14, 2023

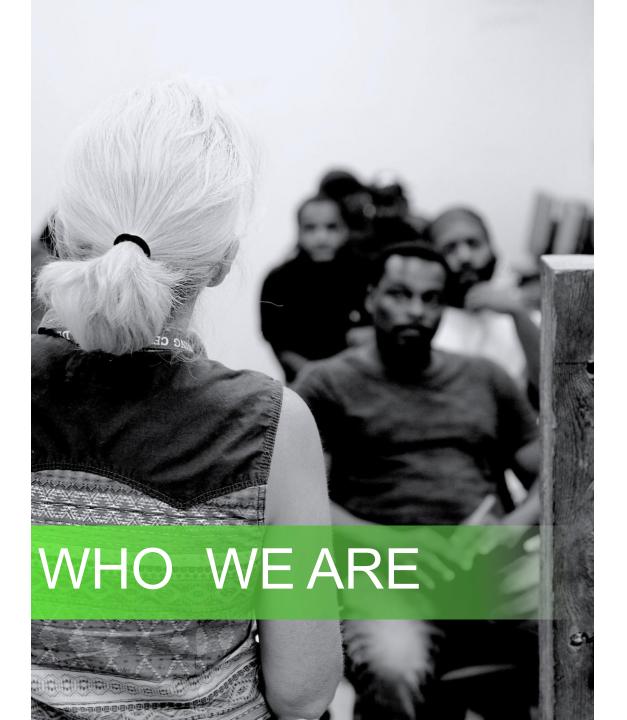


Agenda

Welcome	Brad Banks Energy Waste Reduction Section, MPSC
Workforce Development: Drivers License Restoration Project	Patrick Beal, CEO, Detroit Training Center
IRA Home Rebates: Overview of Program Requirements	Danielle Walker, IRA Home Rebate Specialist, DOE
Committee Updates	Health and Safety Committee Workforce Development Committee
Next Steps & Closing	Brad Banks

Energy Waste Reduction Section, MPSC







The Detroit Training Center was established in 2012, founded on the principles of providing adults with the knowledge, tools, and skills needed to add value to themselves, their families, their communities, and ultimately the American workforce.

Through training and education, DTC hopes to rebuild and re-skill the Detroit workforce, in preparation for the demands of skilled labor that currently exists and for continued employment on projects that are on the horizon for the city.

WORKFORCE DEVELOPMENT

TRAINING PROGRAMS

OUR TRAINING PROGRAMS ARE OFFERED BOTH FULL TIME AND PART TIME WITH A VARIETY OF TRAINING METHODS INCLUDING LECTURE AND HANDS-ON.



HEAVY EQUIPMENT



Masonry Restoration



COMMERCIAL DRIVER'S LICENSE



Hazmat <u>Technician</u>

Drywall Finishing



BLIGHT REMOVAL



WELDING



Barriers to Employment - Getting Hired

- Drivers License
- Skill / Certification

Barriers to Employment-Staying Employed

 Consistently arriving on time - Bus routes being somewhat unreliable for 100% on time.



DeAndre Harper

Credentials Earned

- Welding AST Certification
- OSHA 10
- First Aid / CPR

However with just the certification and no drivers license, he was still very limited

Detroit: \$180

Highland Park: \$1,137

Hamtramck: \$45

Livonia: \$90

Fraser: \$158

Michigan Secretary of State

Reinstatement Fee: \$125

Career Opportunities

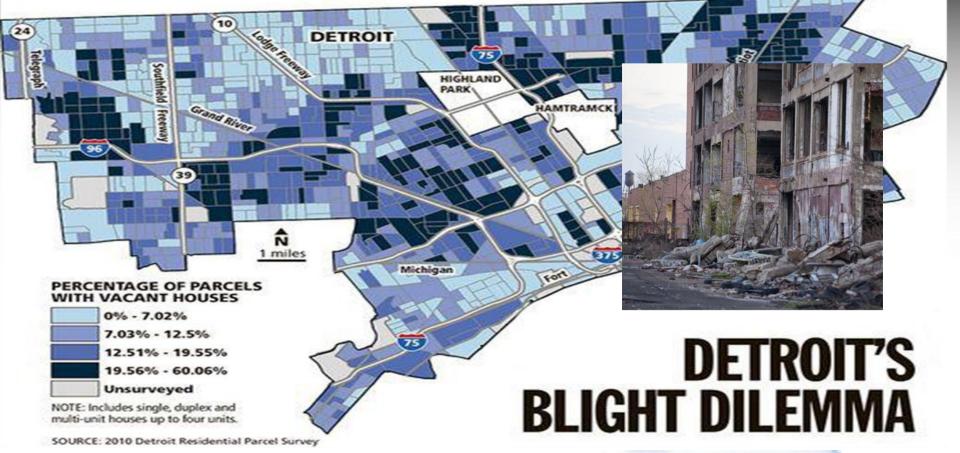
Grown Substantially following reinstatement



Residential Construction especially requires license









Job Placement Assistance Must be able to pass a DOT

physical to start the course.

If looking to move up and obtain a Commercial Drivers License - A

Any individual looking to apply for a Commercial Drivers License needs to have a valid license with no suspensions in the last three years. Meaning that anyone without a license currently is a minimum of 3 years away from taking many of the positions in construction that will come from upcoming major projects.





Proposed Plan - The Buy the Debt and The State Should Lend

To Serve the First 20,000 people, Individual Court Systems own the Debt it would only cost \$5 Million to the State to implement this program. The State of Michigan has the massive incentive for those to have licenses due to payments made by the state for unemployment. The State already has ability to have payment plans USD0T2828128 DETROIT TRAINING STUDENT DRIVER (313) - 221 - 5876www.DetroitTraining.com

Employers will immediately have a larger pool to hire from



Within 3 years, Individuals will be eligible for all jobs





Assumption

S

- \$750 Average Cost Per Participant
- State is Able to buy debt from courthouses at a discount
- \$65 per person cost of setting up program / payment plan
- Benefit to employers set at 75% of cost or \$562 per employee
- Increase in both wage as well as employment





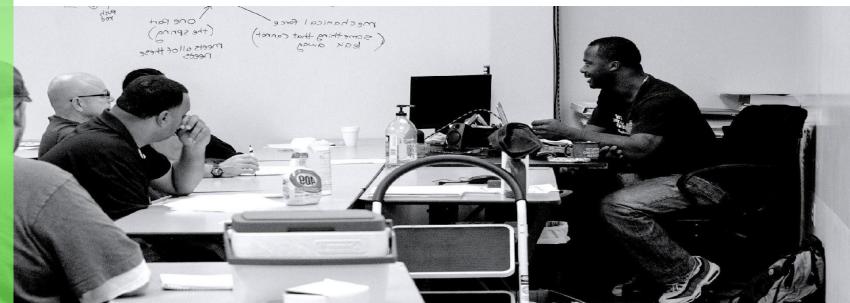
Job Placement Assistance

Must be able to pass a DOT physical to start the course.

- \$791,7000 Limtime impact to individual berrowel based S on attached Cacluator that assumes specfic differences in pay based on real data.
- State reduces their SUTA expenditures by \$543,025,000.00
- State increases tax collection by \$1,267,665,000.00
- This represents a return to the State of Michigan of 35755.25%

I am encouraging everyone to check my math, however that is the highest return on any investment I have ever calculated by a extreme degree.





Other Outcomes from this Proposal

- Reduced length of time it takes to find a job for anyone served
- Reduced Unemployment Rate
- Decreased Police, Court System, and Jail System Expenses
- Decreased Car Insurance Costs for everyone Those without a license can't get insurance but are still driving, which increases costs for everyone.
- Increased collection of taxes from more profitable businesses.





More Hiring Employer Visits





Must be able to pass a DOT physical to start the course.

CDL B - Concrete Mixer

SCHEDULI 4:00 pm Duration: 5 Weeks

E

5151 Loraine St.



CDL B -Concrete Mixer

Credentials Earned

- Commercial Drivers License
- Class-B License Endorsement

Detroit Training Center is proud to be partnered with large regional concrete companies to hire, train, and place qualified individuals to work as concrete mixer drivers.

Training is provided at no up-front cost to the student with a employment contract and training repayment plan between the student and their Employer. New Hires will then earn a great entry-level pay rate of \$29.75 after the training repayment period.

Career Opportunities

 Concrete Mixer Truck Driver

- Superior (employer)
- Protocon (employer)







Must be able to pass a CASAS assessment to start the course.

Assistance

HAZMAT TECHNICIAN

SCHEDU Monday - Friday 8:00 am until 4:00 pm Duration: 2.5 Weeks (pue extension courses) 5151 Loraine St.





Hazmat Technician Training Program

As a hazmat trainee you'll gain expertise to protect yourself from

hazardous substances, reducing risks of personal injury.

Being a certified Hazmat
Technician elevates your
professional standing.
Such specialization makes you a
sought-after expert in various
industries.

With emphasis on PPE requirements and remediation techniques, you're set to meet industry standards, making you a trustworthy professional in any workspace.

While indirectly personal, your skills play a crucial role in preserving the environment, setting you apart as an eco-conscious professional.

Credentials Earned

- HAZWOPER 40
- OSHA 10
- First Aid/CPR & Bloodborne Pathogens
- Respirator Fit & Physical
- Hazmat Cleanup
- Potential Extension Classes
 - Lead Abatement Worker or Supervisor
 - Asbestos Abatement

Career Opportunities

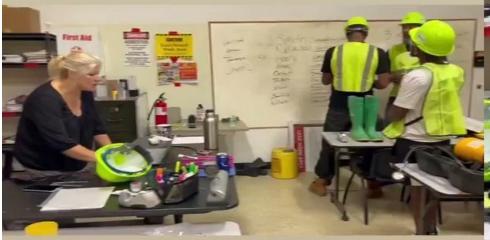
- Forensics
- Emergency Response Teams
- Environmental Consultant
- Waste and Treatment Disposal
- Training and Education

- Fire Departments
- Industrial Safety
- Transportation
- Nuclear Power Plants
- Research and Development

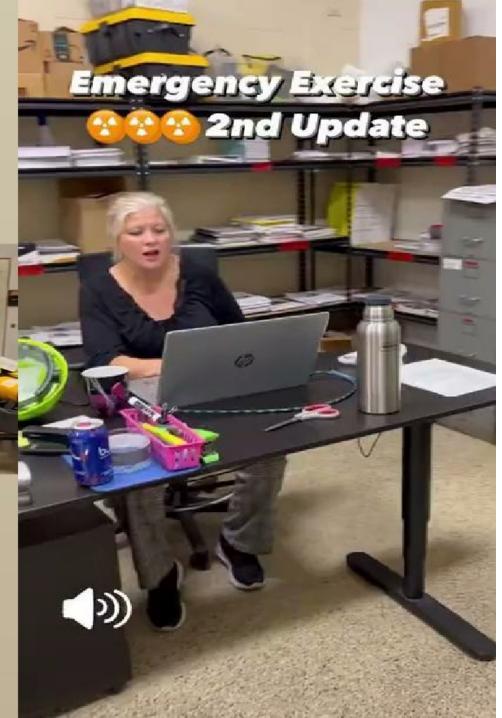


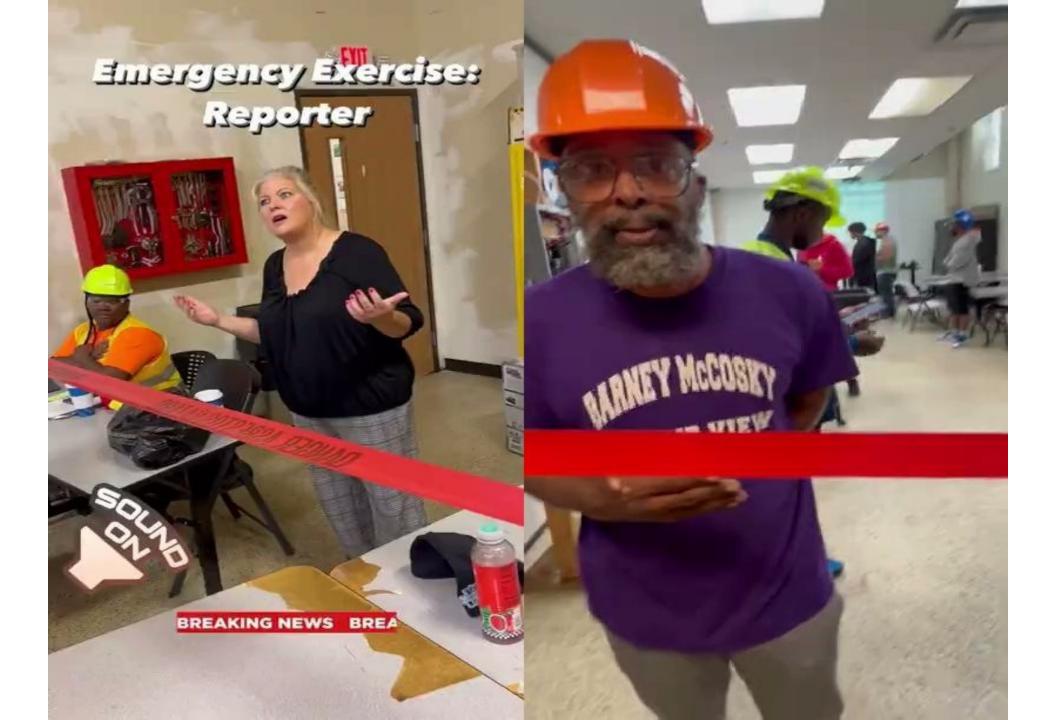


Me set up an emergency exercise for our hazwoper



Let's see how they handle it!







Reimbursement for licensing and certification tests that have been specifically approved for the GI Bill is provided by the VA.

HEAVY EQUIPMENT

SCHEDULE

Monday - Friday 8:00 am until 4:00 pm Duration: 6 Weeks 5151 Loraine St.





HEAVY EQUIPMENT

Students will obtain certification for operating a variety of equipment including skid steer, backhoe/loader, excavator, and lifts, in addition to equipment attachments. Topics include carrying and handling loads during operation and how to conduct pre-inspections and post-inspections. to properly maintain the equipment.

Students will receive extensive hands-on instruction where they will have the opportunity to operate various pieces of equipment.

Credentials Earned

- First Aid/CPR
- OSHA 30 Safety License
- · Asbestos Abatement License
- Forklift Operator Safety Permit
- Backhoe/Loaded Operator Safety Certification

- Skid Steer Operator Certification
- Aerial Lift Operator Certification
- Excavator Operator Certification
- Telehandler

Career Opportunities

- Job Placement Assistance
- Construction Equipment Operator Operator
- Highway Maintenance Worker
- Excavating/Loading Machine





Excavator Training





Flexible Course Hours

Nights and Weekends are available for this course.

Prospective students must attend an orientation through MichiganWorks! to receive funding assistance.

Masonry Restoration SCHEDULE

Part Time: 12 Weeks

Monday - Thursday 4:30 pm - 7:30 pm

Saturday 8:00 am - 4:00 pm



MASONRY

Credentials Earned

This 240 hour part time program will provide students with the skills necessary to work on important masonry restoration projects in Detroit! Skills and topics included cover the history of masonry, tools, equipment, and mediums used by masons, as well as advanced masonry restoration techniques. Students will have the opportunity to learn mortar spreading, furrowing, buttering, brick-laying, tuckpointing, caulking and much more! Students will also be State Certified as an Asbestos Abatement Contractor Supervisor

- Aerial Lift
- Asbestos Abatement
- First Aid/CPR
- OSHA 30
- Masonry Restoration Certificate

Career Opportunities

- Bricklayer
- Masonry Restoration
- Stone Mason
- Asbestos Abatement







Flexible Course Hours

Night time classes are available for this course.
Prospective students must attend an orientation through MichiganWorks! to receive funding assistance.

Welding SCHEDULE

Part Time: 8 Weeks

Monday - Thursday 4:30 pm - 9:00 pm Saturday 9:00 am - 3:00 pm



WELDING

This 160 hour program was created to prepare students with the skills necessary to be eligible to use welding equipment in industries. Students will have both lectured styled teachings coupled with hands on training. This program will provide students with the proper training and certifications to operate equipment related to welding. Students will learn job safety and safety requirements per American Welding Society (AWS) welder qualifications.

Credentials Earned

- AWS Welding Qualification
- Forklift Safety Certification
- OSHA 10
- First Aid/CPR

Career Opportunities

- Welder
- Production Line Worker





MORRISON INDUSTRIES













Prospective students must attend an orientation through MichiganWorks! to receive funding assistance.

Drywall Finishing SCHEDULE

Part Time: 5 Weeks

Monday - Friday 8:00 am - 4:00 pm



Drywall Finishing

OSHA 10 First Aid/CPR This program was created to teach **Painting** individuals the trade of Drywall Finishing for both residential and commercial properties. **Career Opportunities** The course will cover the materials and procedures used for drywall finishing and **Drywall Finisher** patching, with emphasis on job safety, as well as the use and care of tools, equipment and supplies. Upon completion of the course participants will be fully trained and have a minimum of 80 hours of hands-on experience. Each participant will receive a Certificate of Completion in Drywall Finishing along with connections to local employers that are actively hiring for these

Credentials Earned

EPA Lead RRP

Drywall Finishing Qualification

Flexible Course Hours

We rotate between a night,
weekend, and daytime
schedules each time we
begin a course based on the
demand of students who
register at a particular time.

Michigan Residential Builders License SCHEDULE

Total Hrs: 60

Duration: 3.5 weeks

Location: Online.

*Funding Not Available at

Local MiWorks*



TRAINING CLASSES

WE OFFER 1 DAY TO 6 WEEKS LICENSE AND CERTIFICATE CLASSES SUCH AS THE FOLLOWING:



OSHA 10 & 30



FORKLIFT/HILO



ASBESTOS & LEAD ABATEMENT



REAL ESTATE SALESPERSON



MICHIGAN RESIDENTIAL BUILDERS



MICHIGAN RESIDENTIAL BUILDERS LICENSE

This 60 hour course is designed to prepare students with the knowledge and skills required to successfully pass the required exam for licensure as a State of Michigan Residential Builder. It provides you with the hours (lecture + hands-on) of education required in order to charge more than \$600 for any home renovation or building services.

Following the course, students receive a certificate of completion, allowing them to register for the state exam.

Topics Include:

- Business Management
- Green Building & Design
- Contracts & Liability
- MIOSHA Safety Standards
- LEED Core Concepts
- Project Management

Career Opportunities

A certificate of completion is awarded to students that successfully complete the course. Then, they may obtain an individual residential builder and maintenance and alteration contractor license application on the LARA website. The application must be submitted with a copy of the official certificate of completion provided by us at DTC.



Flexible Course Hours

We rotate between a night,
weekend, and daytime
schedules each time we
begin a course based on the
demand of students who
register at a particular time.

Saturday Home Renovation Workshops

SCHEDULE

Most Saturdays - 9:30am and 1:30pm Check out the upcoming schedule online at https://www.detroittraining.com/workshops



Saturday Home Renovation Workshops

These 3 hour sessions are designed to build initial skills you can practice on your own. Each class is \$70, or you can buy 2 for \$120 or 6 for \$300

Topics Include:

- Carpentry
 - Drywall
 - Ceramic Tile
 - Electrical
- Plumbing
- Windows and Doors

Fix up your own home or income property

Learn the skills needed for your own repairs!





WHAT WE OFFER



From Candidate To Student

Step 1: Orientation

Candidate Contact Funding Source

Step 2: Testing

- **Set Up Appointment**
- Candidate Will Take CASAS Test:
 - 6th Grade or Higher English & **Mathematics**
- **Take Career Cruiser Assessment Test**
- Candidate Meet With Career Advisor:
 - Inform Career Advisor **Program of Choice**
 - **Fill Out Registration Paperwork**

Step 3: Approval/Start

- **Candidate Comes to DTC** Orientation:
 - **Every Thursday &** Saturday at 1:00 p.m.
- **Candidate Complete Student Profile Interest Form**
- **Candidate Referred to Correct Funding Agency**

- **Candidates Paperwork Submitted**
 - Must Wait Have Approval
- Candidates Name Added To Roster
 - Counselor Lets Student Know of Approval
 - Candidate Accepts, Declines, or Reschedules
- **Candidate Becomes Student**
 - **Enrollment Emails Sent the** Saturday before the Start Date
 - **Provider Meets With Students** on First Day

PARTNER





Detroit-Wayne County



DETROIT PUBLIC SCHOOLS

MeritHall





















































There are no prerequisites for this class besides a great attitude and a desire to elevate your career.

Forklift Safety Class

SCHEDULE

1 day course 8 hours (\$150)

Saturdays 9:00 am - 5:00 pm

Weekdays 8:00 am - 4:00 pm (when offered)



Forklift Safety

This 8 hour program was created to prepare students with the skills necessary to be eligible to use forklifts of various types (hi-lo/sit down/stand up) Students will have both lectured styled teachings coupled with hands on training. This program will provide students with the proper training and certification to operate forklifts/hi-lo's immediately after class!

Students will learn job safety and safety

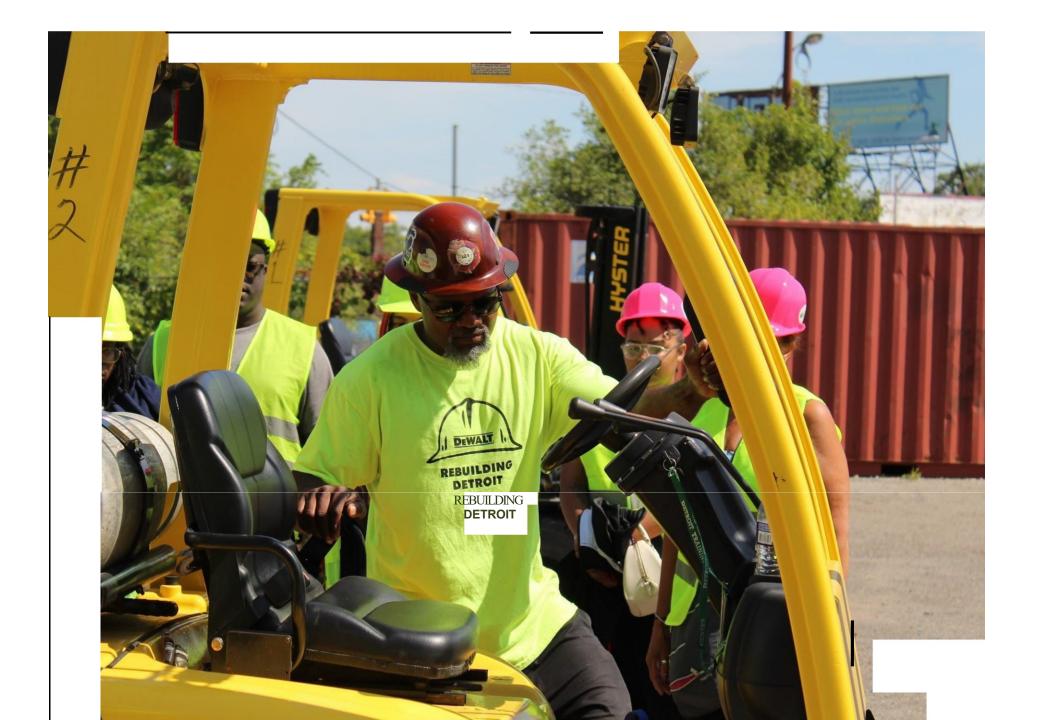
Credentials Earned

• Forklift Safety Certification

Career Opportunities

- Forklift/Hi-lo Operator
- Learn other heavy equipment



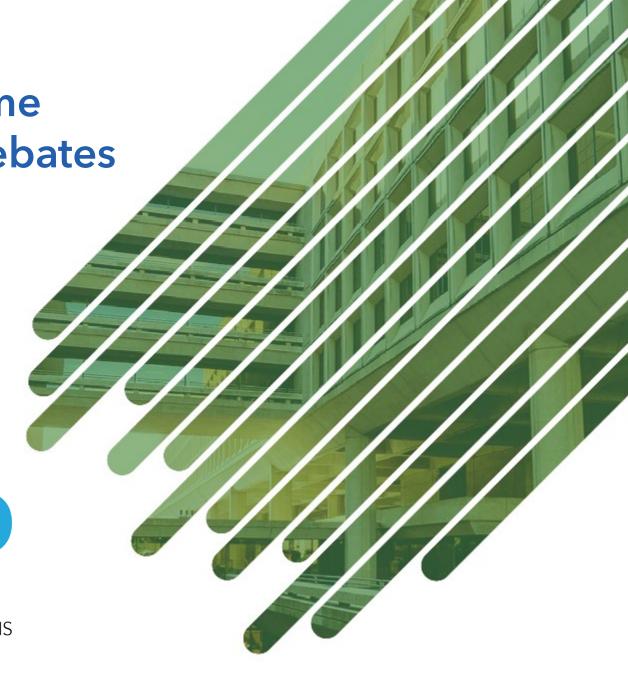


Home Efficiency Rebates & Home Electrification and Appliance Rebates

Inflation Reduction Act Provisions 50121 & 50122







It's Finally Here!



U. S. DEPARTMENT OF ENERGY | OFFICE OF STATE AND COMMUNITY ENERGY PROGRAMS 66

Home Energy Rebates Programs

Home Energy Rebates

\$8.5 Billion

September 30, 2031

State Energy Offices

Home <u>Efficiency</u> Rebates (HOMES)

\$4.3 Billion

Whole-home retrofits

Home <u>Electrification and</u>
<u>Appliance</u> Rebates
(HEAR)

\$4.275 Billion

Efficient Electric Installations Low-moderate income qualified

Program Types

Home Electrification and Appliance Program

Home Efficiency Program

Deemed

Rebates provided on a per unit basis

Benefits

Simple and scalable

Limitations

No connection to savings

Modeled

Rebates based on estimated savings at the time of installation

Benefits

More accurate home specific savings

Limitations

Rebate disconnected from actual savings

Measured

Rebates based on actual savings 9-12 months after installation

Benefits

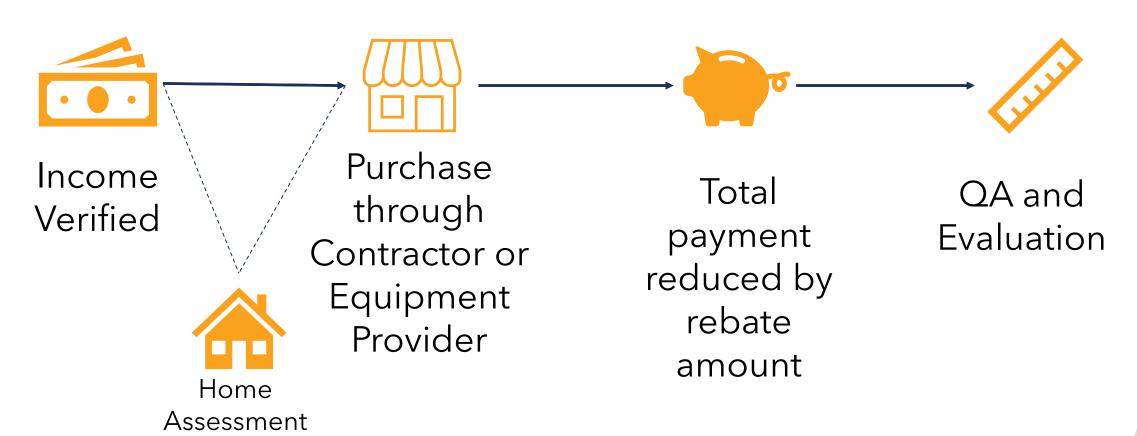
Rebates based on verified savings

Limitations

Rebate at risk if actual savings do not meet threshold

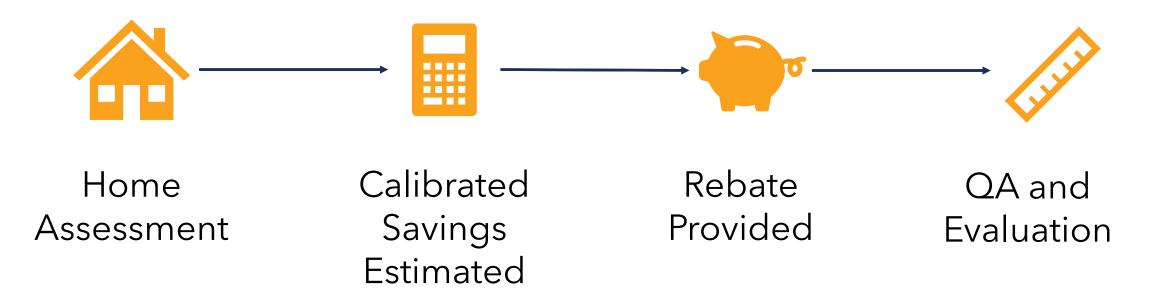
Electrification and Appliance Rebates

The Home Electrification and Appliance Program provides 'point of sale' rebates for upgrading to efficient electric qualified equipment



Modeled Program Path

The modeled path provides a rebate based on estimated savings at the time of project installation



Measured Program Path

The measured path provides a rebate based on actual verified savings 9-12 months after installation



Home Assessment Savings Estimated Aggregator provides rebate based on estimate, carries cost

Actual savings verified

Aggregator provided rebate on actual savings

Requirements Overview

Requirements Highlights

Funding, Rebates and Income

Community Benefits

Program Integration

Consumer Experience

Data and Evaluation

Funding Levels, Rebate Amounts and Income Requirements

Funding

- •Admin funds must not exceed 20% of the total funding
- States may request additional funds for project related costs

Rebates

- Consistent with statute
- States may choose up to maximum levels
- Can request higher rebates for lowincome*

Income Requirements

- Levels consistent with statute
- 40% of funds must be low-income
- 10% must be multifamily

Community Benefits

States must create a Community Benefits plan that describes how the programs will:

- 1. Engage Community and Labor
- 2. Engage and support a skilled and qualified workforce
- 3. Incorporate Diversity, Equity, Inclusion, and Accessibility
- 4. Address the Justice 40 Initiative

Program Braiding and Integration

States are strongly encouraged to design programs to allow for effective combinations of funding sources and integration with existing programs

- 1. Combining a rebate with other Federal funds
- 2. Combining a rebate with Federal loans
- 3. Combining a rebate with non-Federal funds (e.g. utility programs)
- 4. Stacking rebate funds with tax credits

Consumer Experience



Education & Outreach



Home Assessments



Utility Data
Access



Savings Calculations



Qualified Products



Quality Assurance

Home Assessments

- A home assessment is generally required (exceptions in 50122)
- Must comply with BPI 1100/1200
- Collects required information to be reported or retained
- Must include estimate of bill impacts



Savings Calculations and Qualified Products

Home Efficiency Rebates

- •20% estimated savings for modeled
- •15% actual savings for measured
- •Must include at lest one 'major upgrade'
- •May require envelope first
- Home or portfolio of homes

Home Electrification and Appliance Rebates

- An electric heat pump water heater;
- •An electric heat pump for space heating and cooling;
- •An electric stove, cooktop, range, or oven;
- An electric heat pump clothes dryer;
- •An electric load service center;
- Insulation;
- •Air sealing and materials to improve ventilation; or
- Electric wiring;

Modeled or Measured?

States can choose modeled, measured, or both program paths

Modeled

History of low realization rates

Market and implementer experience, but BPI 2400 in limited use

How important is it to know the 'real' savings?

Do you have effective alternative approaches?

Measured

Not as familiar in the market

What are the administrative and overhead costs?

Do you have a contractor or aggregator network that will bear the rebate risk?

Aggregators



- State-approved aggregators can receive a rebate for a portfolio of homes that on average achieve a savings threshold of 15%
- Each individual home must be estimated to achieve 20% savings
- Data must be collected, reported and retained at the individual home
- The aggregator applies the rebate discount to the invoice, then bears the risk of the actual rebate based on actual savings

Data Requirements

- Collect, retain and report all data consistent with <u>IRA Home Energy Rebates: Data</u>
 And Tools Requirements Guide
- Consistent with latest version of <u>HPXML</u>
- Comply with privacy and security obligations
- May not be sold



Evaluation Requirements

- States must participate in DOE-lead evaluation OR conduct their own evaluations consistent with Program Requirements
- States that choose to conduct own evaluations will not be required to participate in DOE evaluation
- States are encouraged to use strategy consistent with DOE
- More details coming in Recommendations (on webpage)



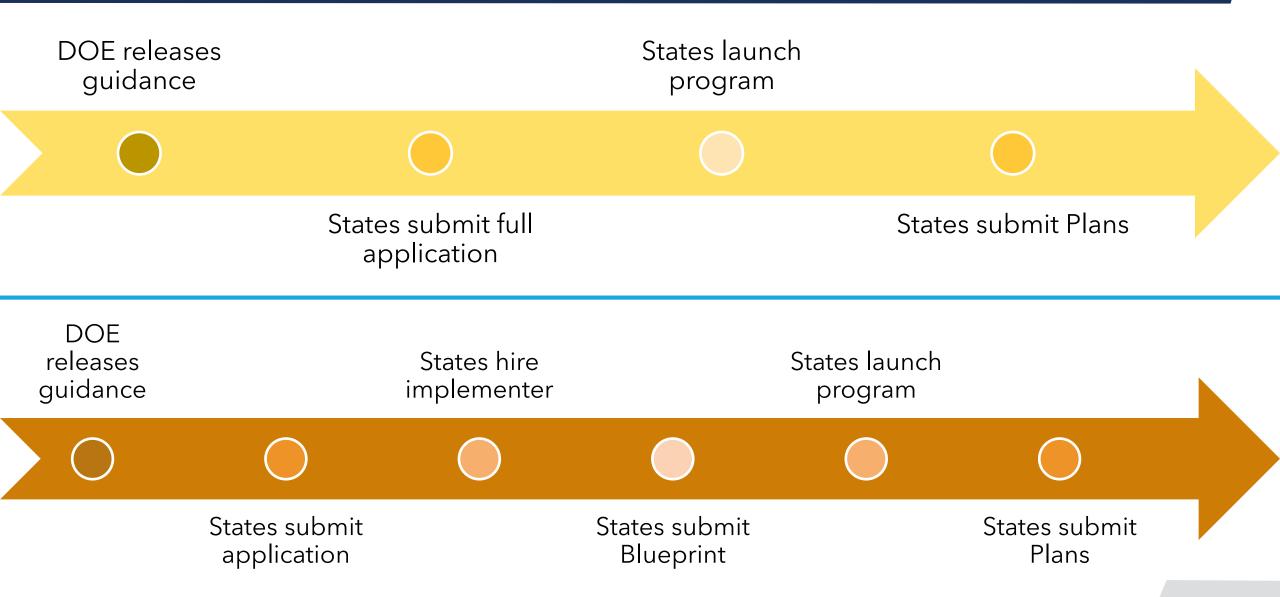
State Implementation Application and Blueprint

- DOE recognizes that the application for the modeled and measured paths are complex and extensive
- Many requirements are best addressed by implementers and experts
- The Implementation Blueprint allows states to defer the submission of certain requirements
- Blueprints are due at least 60 days prior to expected program launch and need to be approved by DOE



Application Process

The Process - Options for Launch



Quick Start

A state may apply for up to 25% of funds (for either program or both) to develop a "Quick Start" program.

A quick start program must meet all applications requirements and cannot utilize the Implementation Blueprint

A state may request additional funding for its approved program prior to January 31, 2025, or may submit an application to administer a program operating under a different plan.

States may use a "Quick Start" application to pilot a rebate program.

Key Dates

Milestone	Date
Notice of intent to submit an application or decline funds	August 16, 2024
Application Deadline	January 31, 2025

The U.S. Department of Energy (DOE) will accept and review applications from states and territories on a **rolling basis**.

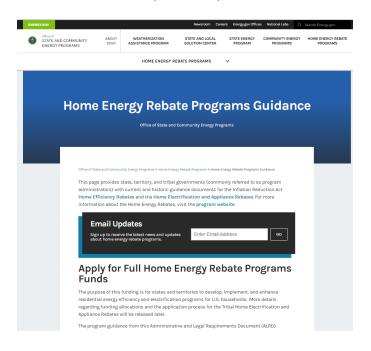
States and territories are **strongly encouraged** to apply to these programs as soon as they can to support more rapid program deployment.

See Program Requirements & Application Instructions, Cover Page and Page 2 and ALRD, Cover Page **Navigating the Guidance**

Guide to the Websites

SCEP Home Energy Rebates Program Website

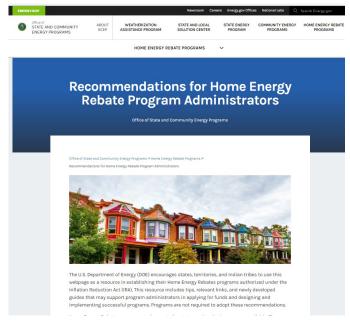
Latest news, the ALRD, Requirements & Application Instructions, FAQs, and more!



https://www.energy.gov/scep/homeenergy-rebate-programs-guidance

SCEP Home Energy Rebates Program Recommendations

Include tips, relevant links, newly developed guides and more!



https://www.energy.gov/scep/recom mendations-home-energy-rebateprogram-administrators

DOE PAGE System

Applicants will use PAGE to submit their applications.



https://www.page.energy.gov/default.aspx

90

U. S. DEPARTMENT OF ENERGY | OFFICE OF STATE AND COMMUNITY ENERGY PROGRAMS

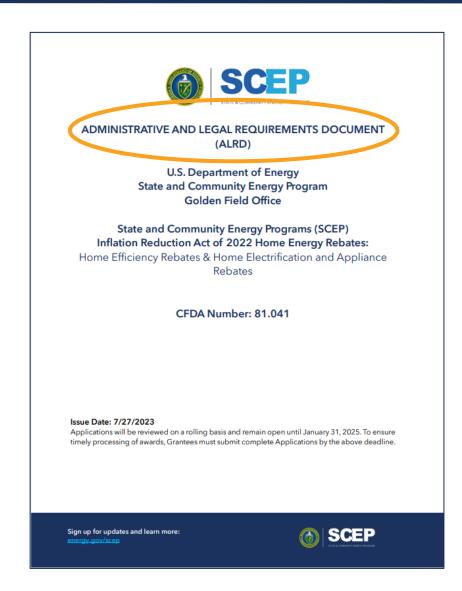
Where Can I Find Application Requirements?

Application Requirements can be found in **both**:

Administrative and Legal Requirements Document (ALRD)

and

<u>Program Requirements and</u> <u>Applications Instructions</u>





INFLATION REDUCTION ACT HOME ENERGY REBATES

Home Efficiency Rebates Program (Sec. 50121)

Home Electrification and Appliance Rebates Program (Sec. 50122)

PROGRAM REQUIREMENTS & APPLICATION INSTRUCTIONS
Applications Due by January 31, 2025

U.S. Department of Energy
Office of State and Community Energy Programs
1000 Independence Avenue, SW Washington, DC 20585

July 27, 2023

Sign up for updates and learn more energy.gov/scep



Supplemental Documents

Also available on the DOE Home Energy Rebates Program website:

- Data & Tools Requirements Guide
- Federal Programs Approved for Categorical Eligibility
- Full Home Energy Rebate Program Funds ALRD State Allocations
- Utility Data Access Guidelines

Requirements Documents

- Home Energy Rebate Program Requirements & Application Instructions—Issued July 27, 2023.
- Full Home Energy Repare Program Funds Administrative and Legal Requirements
 Document (ALRD)—Issued July 27, 2023.

Supplemental Documents

- Data & Tools Requirements Guide—Issued July 27, 2023.
- Federal Programs Approved for Categorical Eligibility—Issued July 27, 2023
- Full Home Energy Rebate Program Funds ALRD State Allocations—Issued July 27, 2023.
- Utility Data Access Guidelines—Issued July 27, 2023.

Application Documents

- Application Budget Justification Workbook Template-Issued July 27, 2023.
- Application Checklist—Issued July 27, 2023.
- Narrative Document Template—Issued July 27, 2023.
- Pre-Award Information Sheet—Issued July 27, 2023.

https://www.energy.gov/scep/home-energy-rebate-programs-guidance

How Do I Ask Questions?

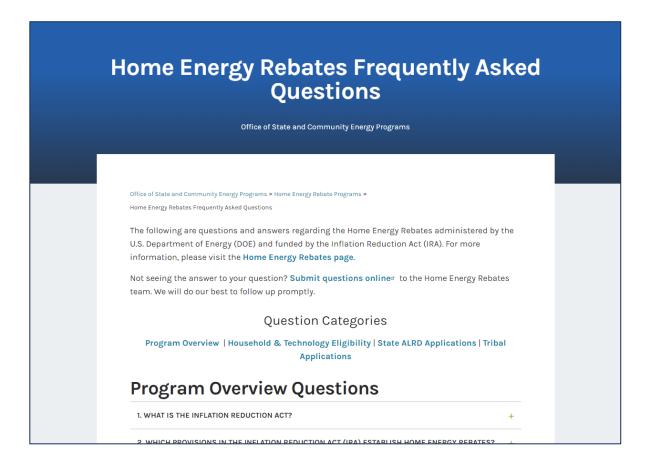
All questions must be submitted either to:

- 1. the IRA Home Rebates Programs website, or
- 2. the Home Rebates email irahomerebates@hq.doe.gov.

Submitting questions through the Home Rebates website is preferred.

All questions will be responded to in a timely manner and will be **publicly posted** on the IRA Home Rebates website.

Any responses received from sources other than what is publicly posted by DOE are not binding.



U. S. DEPARTMENT OF ENERGY | OFFICE OF STATE AND COMMUNITY ENERGY PROGRAMS

How Do I Hear About Updates?

Be sure to sign up for program updates on the DOE SCEP Home Energy Rebates Program Website!

Program Updates

The Office of State and Community Energy Programs (SCEP) has released the applications for states and territories to apply for full program funds for both the Home Efficiency Rebates and Home Electrification and Appliance Rebates. Only state and territory energy offices are eligible to apply at this time. SCEP will later release more details regarding applications for Tribal Home Electrification and Appliance Rebates. More information about the rebates programs requirements, application processes, and recommendations is available on the Guidance for Program Administrators page.



The U.S. Department of Energy's Karen Zelmar explains the Inflation Reduction Act's Home Energy Rebate Programs, and their top energy savings goals.

Video courtesy of the U.S. Department of Energy

Email Updates

Sign up to receive the latest news and updates about home energy rebate programs.

Enter Email Address

GO

94

Home Energy Rebates funds are not yet available. Households looking for home energy retrofit assistance today cannot yet access these rebates, but may be eligible for other fodoral programs, including tax credits of the weatherization Assistance Program.

For questions or comments about program roll out, contact us at IRAHomeRebates@hq.doe.gov.

Latest News

U. S. DEPARTMENT OF ENERGY | OFFICE OF STATE AND COMMUNITY ENERGY PROGRAMS

Thank You









Thank You!



