



*Better Buildings Residential Network  
Peer Exchange Call Series*

*Public Roundtable – The Inflation Reduction Act (IRA):  
Residential Energy Rebates and Contractor Training Programs*

*January 12, 2023*

# Agenda and Ground Rules

- Moderator
  - **Jonathan Cohen**, Better Buildings Residential Network, DOE Residential Buildings Integration Program (RBI)
- Agenda Review and Ground Rules
- Residential Network Overview and Upcoming Call Schedule
- Opening Poll
- Featured Speakers
  - **Mary MacPherson**, Program Manager, DOE Office of State and Community Energy Programs (SCEP)
  - **Maddy Salzman**, Inflation Reduction Act (IRA) Implementation Advisor, DOE Office of State and Community Energy Programs (SCEP)
- Open Discussion
- Closing Poll and Announcements

## Ground Rules:

1. **Sales of services and commercial messages are not appropriate** during Peer Exchange Calls.
2. Calls are a safe place for discussion; **please do not attribute information to individuals** on the call.

*The views expressed by speakers are their own, and do not reflect those of the Dept. of Energy.*

# Better Buildings Residential Network

## Join the Network

### Member Benefits:

- Recognition in media, social media and publications
- Speaking opportunities
- Updates on latest trends
- Voluntary member initiatives
- One-on-One brainstorming conversations

### Commitment:

- Members only need to provide *one number*: their organization's number of residential energy upgrades per year, or equivalent.

### Upcoming Calls (2<sup>nd</sup> & 4<sup>th</sup> Thursdays):

- *1/26: New DOE-Funded Research Looks at Homeowner Motivations and Barriers to Electrify*
- *2/9: Right-Sizing Equipment Vs. Wrong-Sizing – How Not to Waste Energy*

Peer Exchange Call summaries are posted on the Better Buildings [website](#) a few weeks after the call



**Mary MacPherson**  
***DOE Office of State and Community Energy Programs  
(SCEP)***



**Maddy Salzman**  
*DOE Office of State and Community Energy  
Programs (SCEP)*

# HOME ENERGY REBATE PROGRAM & CONTRACTOR TRAINING

**Provisions Authorized through the Inflation Reduction Act**

January 2023



# SCEP

STATE & COMMUNITY ENERGY PROGRAMS



# We Want to Hear from You!

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# What We'll Discuss Today

- ✓ Office of State and Community Energy Programs
- ✓ Overview of the Inflation Reduction Act
- ✓ Program Highlights:
  - Home rebate programs
  - Residential Contractor Training program
- ✓ Program Details & Allocation
- ✓ Application Considerations
- ✓ Next Steps



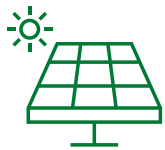


# Office of State and Community Energy Programs (SCEP)

New Office created to implement nearly **\$16 billion in programs** from the Bipartisan Infrastructure Law (BIL) and Inflation Reduction Act (IRA)

SCEP works to –

- Accelerate high-impact, self-sustaining clean energy projects that improve people's lives
- Aid state & local governments, tribes, community-based organizations, & others in deployment
- Center the needs of low-income households and Disadvantaged Communities (DACs)



Deploy clean  
energy  
technologies



Center equity  
and deliver on  
J40 priorities



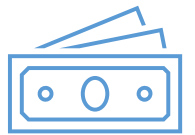
Catalyze local  
economic  
development



Create  
jobs



Avoid pollution  
through place-based  
strategies



Reduce energy  
costs

# Programs Coming Out of SCEP

\$3.5B for  
Weatherization Assistance Program

\$260M for  
Building  
Efficiency  
Workforce  
Training

\$500M for  
State Energy  
Program

\$500M for  
Energy Efficiency  
& Renewable  
Energy in Public  
Schools

\$250M for  
Energy  
Efficiency  
Revolving Loan  
Funds

\$50M for  
Energy  
Efficiency for  
Non-Profits

\$550M for  
Energy Efficiency  
& Conservation  
Block Grants  
Program

\$1B for  
Energy Codes  
Technical Assistance

\$8.8B for Home Energy Rebates

# Inflation Reduction Act (IRA)

Tackles the climate crisis, creates new domestic industrial policy, and revolutionizes our economy and energy system over the next decade in three main areas:



01

**Save Households Money:** New and updated incentives will save American individuals and families thousands of dollars on cleaner electricity, heating, cooling, and transportation while protecting them from shifting fossil fuel prices

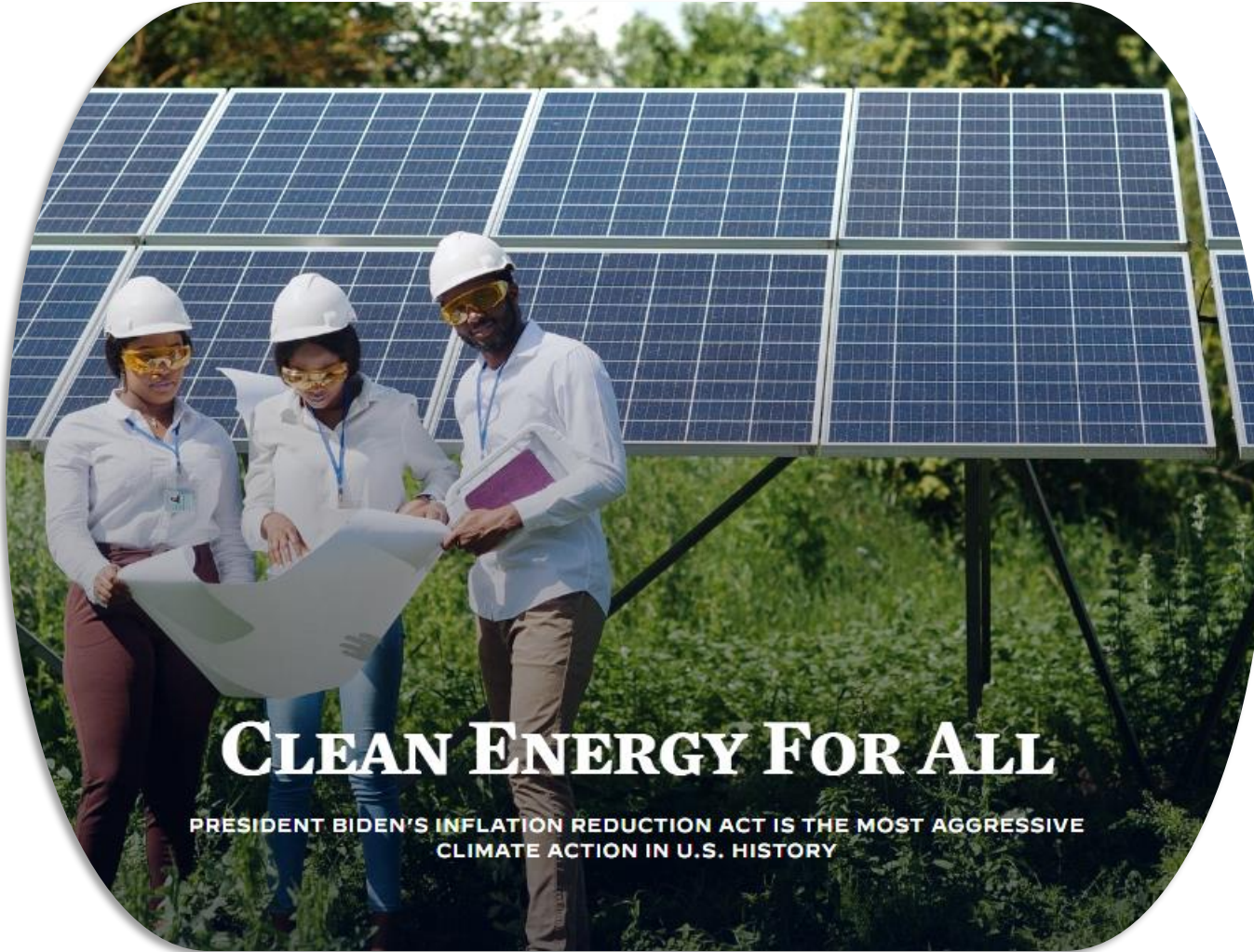
02

**Grow American Manufacturing and Clean Energy Jobs:** Major investments will help companies scale up clean energy manufacturing and deployment here in America and will incentivize companies to provide workers with family-sustaining careers

03

**Support Communities in Transition:** New programs will help underserved communities to make the transition to clean energy, ports, and transportation

# IRA Delivering Historic Firsts



- ✓ Largest climate investment in US history: **\$369B+**
- ✓ **10+ years** of financial support to clean energy manufacturers and installers
- ✓ **Thousands of good jobs** with incentives for prevailing wages and apprenticeships
- ✓ Saves American families **thousands of dollars** in energy costs
- ✓ **Billions in benefits** for low-income consumers and energy burdened communities
- ✓ Modeled to reduce greenhouse gas pollution to **40% below 2005 levels** by 2030



# Mobilizing Clean Energy Investment Through IRA



## Home Energy Rebates

\$9B  
U.S. DOE



## Energy Code Assistance

\$1B  
U.S. DOE



## Clean Energy Business Loans

\$14B  
U.S. DOE



## Energy Grid & Industry

\$9B  
U.S. DOE



## Affordable Housing

\$1B  
U.S. HUD



## Clean Transportation

\$7B  
U.S. EPA



## Energy Tax Credits

~\$277B\*  
U.S. Treasury



## Greenhouse Gas Reduction Fund

\$27B  
U.S. EPA



## Enviro. Justice Block Grants

\$3B  
U.S. EPA



## Rural Energy Assistance

\$12B  
USDA



## Coastal Climate Resilience

\$2.6B  
NOAA



## + Other Programs

~\$7B  
Various Agencies

\*Congressional Budget Office (CBO), [Estimated Budgetary Effects](#)

# DOE's Role in IRA Clean Energy Investment



## Home Energy Rebates

\$9B  
U.S. DOE



## Energy Code Assistance

\$1B  
U.S. DOE



## Clean Energy Business Loans

\$14B  
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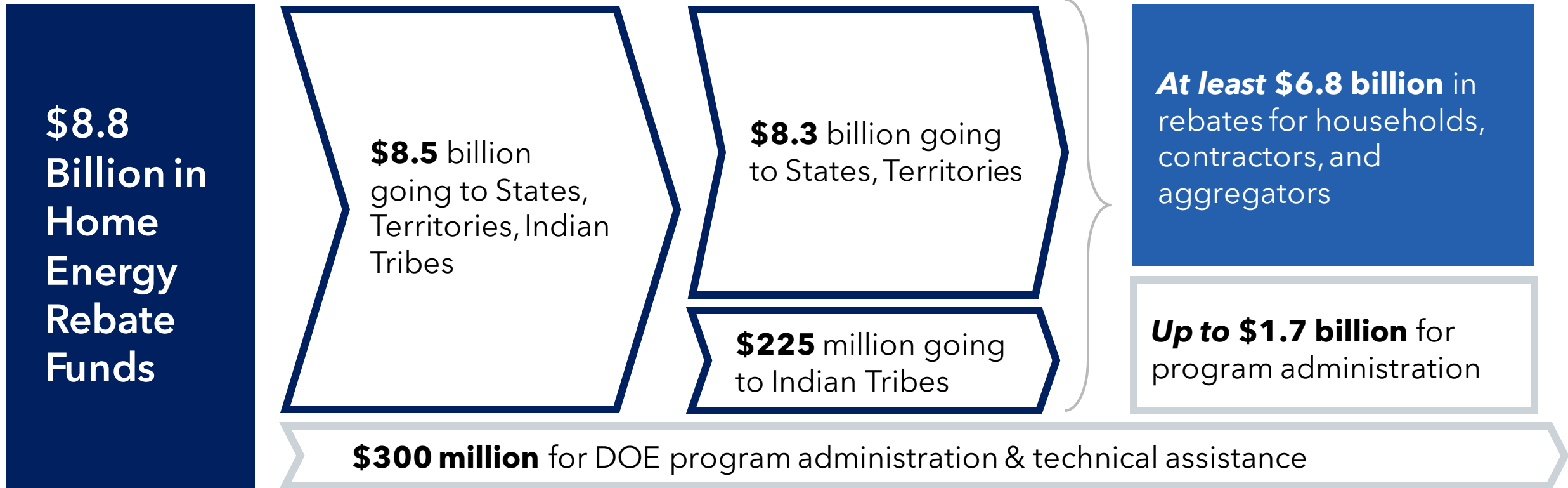
\*Congressional Budget Office (CBO), [Estimated Budgetary Effects](#)



# Home Energy Provisions

	Total Appropriations & Availability	Allocation of Funds	Program Description
 <b>Home Efficiency Rebates</b> SEC. 50121	\$4,300,000,000 Until September 30, 2031	State Energy Offices (SEOs)	Develop and implement rebate program for single-family and multi-family households to accomplish whole-home retrofits that save at least 20% of household energy.
 <b>Home Electrification Rebates</b> SEC. 50122	\$4,500,000,000 Until September 30, 2031	State Energy Offices (SEOs) & Indian Tribes	Develop and implement rebate program for low- and moderate-income single-family and multi-family households to purchase high-efficiency electric equipment.
 <b>Contractor Training</b> SEC. 50123	\$200,000,000 Until September 30, 2031	State Energy Offices (SEOs)	Develop and implement residential energy efficiency and electrification contractor training programs.

# Where Will the Home Energy Rebate Funds Go?



The law authorizes 3% of total funds for DOE program administration & technical assistance as well as up to 20% of State & Indian Tribe funds for program administration.

# IRA Home Energy Rebate Program Objectives

- ✓ **Help households** across the US enjoy lower energy bills and more comfortable homes
- ✓ **Make it easier** to access and implement residential energy improvements
- ✓ **Attract and retain qualified workforce** to serve both single and multifamily markets
- ✓ **Spur durable market demand** for residential efficiency and electrification by demonstrating value of energy upgrades and efficient homes to homeowners, tenants, and investors



# State & Territory Home Rebate Allocations

Alaska	\$75 M	Indiana	\$182 M	New Jersey	\$183 M	Washington	\$166 M
Alabama	\$146 M	Kansas	\$106 M	New Mexico	\$88 M	Wisconsin	\$149 M
Arkansas	\$105 M	Kentucky	\$134 M	New York	\$318 M	West Virginia	\$88 M
American Samoa	\$50 M	Louisiana	\$213 M	Ohio	\$249 M	Wyoming	\$69 M
Arizona	\$153 M	Massachusetts	\$146 M	Oklahoma	\$129 M	Allocation of \$225M designated for Indian Tribes has not yet been determined.	
California	\$582 M	Maryland	\$137 M	Oregon	\$114 M		
Colorado	\$140 M	Maine	\$72 M	Pennsylvania	\$259 M	Up to 20% of these funds may be used for program administration.	
Connecticut	\$99 M	Michigan	\$211 M	Puerto Rico	\$85 M		
District of Columbia	\$59 M	Minnesota	\$148 M	Rhode Island	\$64 M	NOTE: These figures are rounded. Exact amounts can be found here: <a href="https://www.energy.gov/articles/biden-harris-administration-announces-state-and-tribe-allocations-home-energy-rebate">https://www.energy.gov/articles/biden-harris-administration-announces-state-and-tribe-allocations-home-energy-rebate</a>	
Delaware	\$66 M	Missouri	\$151 M	South Carolina	\$137 M		
Florida	\$346 M	Northern Marianas	\$50 M	South Dakota	\$69 M		
Georgia	\$219 M	Mississippi	\$105 M	Tennessee	\$167 M		
Guam	\$51 M	Montana	\$71 M	Texas	\$690 M		
Hawaii	\$68 M	North Carolina	\$209 M	Utah	\$101 M		
Iowa	\$121 M	North Dakota	\$74 M	Virginia	\$189 M		
Idaho	\$81 M	Nebraska	\$91 M	U.S. Virgin Islands	\$51 M		
Illinois	\$264 M	New Hampshire	\$70 M	Vermont	\$59 M		

# Potentially Eligible Equipment & Housing Types

## Rebates may apply to the installation of -

- ✓ Electric heat pump clothes dryer
- ✓ Electric heat pump for space heating and cooling
- ✓ Electric heat pump water heaters
- ✓ Electric panel & wiring upgrades
- ✓ Electric stove, cooktop, range, or oven
- ✓ Air sealing
- ✓ Duct sealing
- ✓ Insulation
- ✓ Materials to improve ventilation
- ✓ & Potentially other energy-saving technologies

Where applicable, technologies must be certified under EPA's ENERGY STAR program.

## In the following types of buildings -

- ✓ Single-family homes
- ✓ Multi-family residential buildings
- ✓ Newly constructed homes
- ✓ Rental properties

More funds are available for households below 150% Area Median Income (AMI) and below 80% AMI.

# How Much Money is Potentially Available Per Household?

Households with Incomes above 80% Area Median Income <sup>1</sup>	Efficiency <sup>2</sup>	Lower energy savings: 50% of project costs up to \$2,000 Higher energy savings: 50% of project costs up to \$4,000
	Electrification	50% of project costs up to \$14,000 (Household income must be below 150% AMI)
Households with Incomes Below 80% AMI <sup>1</sup>	Efficiency <sup>2</sup>	Lower energy savings: 80% of project costs up to \$4,000 Higher energy savings: 80% of project costs up to \$8,000
	Electrification	100% of project costs up to \$14,000
Multifamily/Rental Housing Building Owner	Efficiency <sup>2</sup>	Lower energy savings: \$2,000/unit up to \$200,000 Higher energy savings: \$4,000/unit up to \$400,000
	Electrification	50% of project costs up to \$14,000/unit (>50% of units must have income <150% AMI)
Multifamily/Rental Housing Building Owner with >50% of Households <80% AMI <sup>1</sup>	Efficiency <sup>2</sup>	Lower energy savings: 80% of the project cost up to \$4,000/housing unit Higher energy savings: 80% of the project cost up to \$8,000/housing unit
	Electrification	Lesser of 100% of project costs or \$14,000/unit

<sup>1</sup>See Area Median Income (AMI) for your area: [https://www.huduser.gov/portal/datasets/il/il2022/select\\_Geography.odn](https://www.huduser.gov/portal/datasets/il/il2022/select_Geography.odn)

<sup>2</sup>Other rebate amounts (roughly within these ranges) may be available if efficiency rebate rates are determined through measured performance.



# Illustrative Examples of Two Households

## Smith Household in Allentown, PA

The Smiths want to insulate their home to make their home more comfortable and save on energy bills.

Smith income: \$68,000  
80% AMI for Allentown, PA: \$72,500  
Eligible for lower-income rebate level? **Yes**

Project Scope	
Attic Insulation	\$3,000
Whole-home air sealing	\$1,000
Duct sealing & insulation	\$1,500
Smart thermostat	\$200
Gross project cost	<b>\$5,700</b>

Modeled energy savings from project: **24%**  
Eligible Rebate: **\$4,000**  
Project Cost to Smith Household: **\$1,700**

## Jones Household in Columbia, SC

The Jones' want to update their home's dated electrical systems and save on their energy bills.

Jones income: \$72,000  
80% AMI for Columbia, SC: \$64,500  
Eligible for lower-income rebate level? **No**

Project Scope	
Electrical panel upgrade	\$3,700
Electrical wiring upgrade	\$1,800
Electric heat pump	\$6,500
Kitchen hood ventilation	\$800
Gross project cost	<b>\$12,800</b>

Over cost limits for technologies or total cost? **No**  
Eligible Rebate: **\$6,400 (50%)**  
Project Cost to Jones Household: **\$6,400**

# Residential Contractors Training Program

\$200 million for contractors delivering residential energy efficiency and electrification improvements

- Includes, but is not limited to, preparing residential energy contractors to deliver rebates authorized through IRA

States may use funding to:

- a) Reduce the cost of training contractor employees
- b) Provide testing & certification of contractors trained and educated under a state program
- c) Partner with nonprofits on a) or b)

Complements funds authorized for workforce training in BIL:

- \$40M in residential energy auditor training
- \$10M in energy efficiency career skills training
- \$10M in building training and assessment centers

Learn more about SCEP  
BIL and IRA Workforce  
Development Programs:  
[tiny.cc/SCEPWorkforce](https://tiny.cc/SCEPWorkforce)



# Residential Contractors Training Program Development Timeline



Request for Information (RFI) closes on **1/26/23 at 5 PM ET**. Includes questions on the following topics:

- Workforce and business characteristics
- Workforce development and business owner training strategies
- Accessing federal funding
- Equity and partnerships
- Access to high quality jobs

Goal to release funding opportunity announcement (FOA) to states in **Spring 2023**

SCEP Workforce RFI:  
[tiny.cc/WorkforceRFI](https://tiny.cc/WorkforceRFI)

# Residential Contractors Training Program: How you can engage

**Respond to  
DOE's active  
request  
for information**

## State governments

- Identify existing training programs to expand + replicate
- Apply for funding and develop a robust and equitable community benefits plan\*

## Nonprofits

- Explore partnership opportunities with state agencies
- Share community needs with state agencies to maximize program benefits to community members

## Contractors

- Identify and share workforce skill gaps with state agencies
- Elevate successful workforce program models to state agencies

## Utilities + Local governments

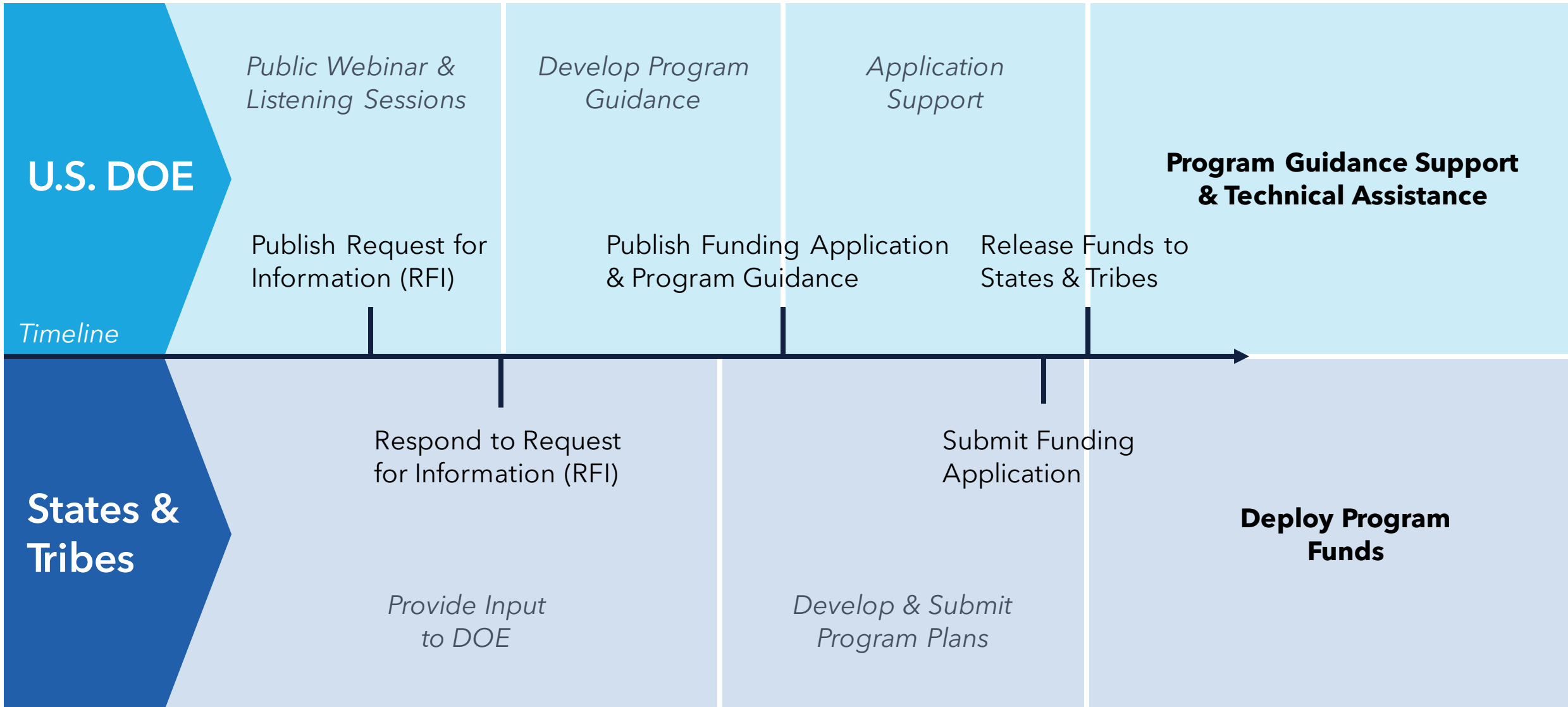
- Identify and share workforce needs for city and utility-run EE and electrification programs
- Elevate successful workforce program models to state agencies

\* [www.energy.gov/bil/community-benefits-plan-frequently-asked-questions-faqs](https://www.energy.gov/bil/community-benefits-plan-frequently-asked-questions-faqs)

# BIL Workforce Development Programs

Program Title	Authorizing Statute	Building Segments Served	Funding and Timeline	Eligible Recipient(s)	Summary
<b>Energy Auditor Training (EAT)</b>	BIL Sec. 40503	Residential, Commercial	\$40 million for the period of fiscal years 2022 through 2026	States	The Secretary “shall establish a competitive grant program” to “award grants to eligible States to <u>train individuals to conduct energy audits or surveys of commercial and residential buildings.</u> ”
<b>Career Skills Training (CST)</b>	BIL Sec. 40513	All buildings	\$10 million to remain available until expended	Nonprofit partnerships	The Secretary “shall award grants to eligible entities to pay the Federal share of associated <u>career skills training programs under which students concurrently receive classroom instruction and on-the-job training for the purpose of obtaining an industry-related certification to install energy efficient buildings technologies.</u> ”
<b>Building Training and Assessment Centers (BTAC)</b>	IRA Sec. 40512	Commercial, Institutional	\$10 million available until expended	Institutions of higher education	“To establish <u>building training and assessment centers to identify opportunities for optimizing energy efficiency and environmental performance in buildings...</u> The Secretary shall <u>coordinate the program with the industrial research and assessment centers program...</u> ”

# Home Energy Rebates Program Development Timeline





# Let's Succeed Together!

- ✓ Support households across the US, especially low- and moderate-income households, in reducing energy bills and carbon emissions
- ✓ Build on existing successful programs & resources
- ✓ Provide tailored technical assistance to support states, territories, and Indian Tribes
- ✓ Develop programs that deliver near-term benefits as well as long-term market transformation of residential energy sector
- ✓ Replicate successful approaches



**We are eager to hear from you on how we can best accomplish these goals!**

# Rebate Programs Questions for Assuring High Impact

<b>Program Design</b>	What elements of a rebate program would benefit from having regional or national consistency (e.g., determination of participant eligibility requirements, proof of replacement, haul-away and recycling requirements, application submittal and processing, and requirements for program partners.)?
<b>Application Considerations</b>	Do states prefer a single consolidated application for the two home rebate provisions? What are states' funding allotment preferences (i.e., single allotment vs. series of allotments)? What are the benefits of having access to expedited administrative funds.
<b>Technical Assistance</b>	What program design and implementation support from DOE and national labs would be most useful to States and Tribes?
<b>Program Administration</b>	What are best practices for administering/processing the rebates (e.g., within the SEO, contracting that role to a rebate processor, managing the program through the utilities, or an outside subcontractor, etc.)?
<b>Income Eligibility Verification</b>	How can we make income eligibility verification simple and effective? What are best practices and preferences for various point of sale rebate claiming systems (e.g., first-come, first-served, reservations, voucher systems, etc.) and consumer payment types (e.g., discounts, check, prepaid card, etc.)?

# Stay Connected!

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Stay up to date by visiting us online and signing up for emails about news, events, and more:

Home Energy Rebate Website: <https://www.energy.gov/scep/home-energy-rebate-program>

Workforce Development and Business Owner Training Programs Website:  
[tiny.cc/SCEPWorkforce](https://tiny.cc/SCEPWorkforce)

Contact us: [IRAHomeRebates@hq.doe.gov](mailto:IRAHomeRebates@hq.doe.gov) or  
[EETWorkforcePrograms@hq.doe.gov](mailto:EETWorkforcePrograms@hq.doe.gov).

# We Want to Hear from You!

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# Thank You!

Questions or Comments?  
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[EWorkforcePrograms@hq.doe.gov](mailto:EWorkforcePrograms@hq.doe.gov)



**SCEP**  
STATE & COMMUNITY ENERGY PROGRAMS

APRIL  
11-13  
2023



SAVE THE DATE  
Better Buildings, Better Plants  
**SUMMIT**

**Learn more:** [betterbuildingsolutioncenter.energy.gov/summit](https://betterbuildingsolutioncenter.energy.gov/summit)

U.S. DEPARTMENT OF  
**ENERGY**



# Explore the Residential Program Guide

Resources to help improve your program and reach energy efficiency targets:

- [Handbooks](#) - explain *why* and *how* to implement specific stages of a program.
- [Quick Answers](#) - provide answers and resources for common questions.
- [Proven Practices](#) posts - include lessons learned, examples, and helpful tips from successful programs.
- [Technology Solutions](#) **NEW!** - present resources on advanced technologies, **HVAC & Heat Pump Water Heaters**, including installation guidance, marketing strategies, & potential savings.
- [Health + Home Performance Infographic](#) **NEW!** – spark homeowner conversations.



<https://rpssc.energy.gov>

# Health + Home Performance Infographic



## Do You Have a “Healthy Home?”

A qualified contractor can help you assess and address indoor air quality, improve your comfort, and cut your utility bills.

Answers to a few basic questions can help you get started:

- **How old are your heating and cooling systems?**  
Ensuring your system is updated and well maintained can save money and improve health and comfort.
- **Is your home insulated?**  
Properly installed insulation in your walls and attic, at levels recommended for your home's climate, will cut bills, and improve comfort.
- **Have you ever noticed mold in your home?**  
Visible mold likely means humidity levels need to be better addressed or indicates a potential leak or water damage.
- **Are your windows caulked and doors weather-stripped?**  
These relatively simple fixes reduce air leaks and help maintain indoor temperature levels.
- **Are your appliances ENERGY STAR® rated?**  
ENERGY STAR appliances are energy efficient and help you save money.
- **Do you know if your home's heating and cooling systems include proper levels of ventilation?**  
Effective ventilation is important for both health and safety. Ventilation, along with frequently replaced air filters, can help make sure your home is bringing in fresh air as needed, and keep out pollutants when outdoor air quality is poor due to ozone, fire, or other factors.

**GET started**

**FIND A QUALIFIED CONTRACTOR:**

- Home Performance with ENERGY STAR® at [ENERGYSTAR.gov/HomePerformance](http://ENERGYSTAR.gov/HomePerformance)
- Building Performance Institute at [bpi.org/locator-tool](http://bpi.org/locator-tool)

U.S. DEPARTMENT OF ENERGY | OFFICE OF ENERGY EFFICIENCY & RENEWABLE ENERGY  
BUILDING TECHNOLOGIES OFFICE

DOE/EE-2349

HOME PERFORMANCE WITH ENERGY STAR

DOE’s new Health + Home Performance Infographic reveals the link between efficiency and health – something everyone cares about. Efficiency programs and contractors can use the question-and-answer format to discover a homeowner’s needs.

The infographic is ideal for the “kitchen table” conversations where people decide what to do – and who they want to do it. It also has links for homeowners to find a qualified contractor if they do not already have one.

[Download](#) this infographic from DOE’s Better Buildings Residential Network.

# Thank You!

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Please send any follow-up questions  
or future call topic ideas to:  
[bbresidentialnetwork@ee.doe.gov](mailto:bbresidentialnetwork@ee.doe.gov)