

# INFLATION REDUCTION ACT (IRA) HOME ENERGY REBATE STAKEHOLDER ENGAGEMENT

sender 30

09:18

A set of standard Zoom meeting control icons. From left to right: a red circle with a white dot (video off), a microphone icon with a slash (audio off), an upward arrow (screen share), three dots (more options), a hand icon (raise hand), a speech bubble (chat), a group of people icon (participants), and a red square with a white telephone handset (end call).

Virtual – February 20, 2021



# ELECTRIFICATION REBATES – HOW MUCH MONEY IS POTENTIALLY AVAILABLE PER PROJECT?<sup>1</sup>



Type of Home Energy Project	Households below 80% Area Median Income (AMI)	Households between 80% and 150% AMI	Households above 150% AMI	
Home Electrification Project Qualified Technologies (only households with an income below 150% AMI are eligible)	100% of project costs up to \$14,000	50% of project costs up to \$14,000	Not Applicable	
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	ENERGY STAR electric stove, cooktop, range, oven			Up to \$840
	Electrical load service center (electrical panel)			Up to \$4,000
	Electrical Wiring			Up to \$2,500
	Insulation, air sealing, ventilation			Up to \$1,600

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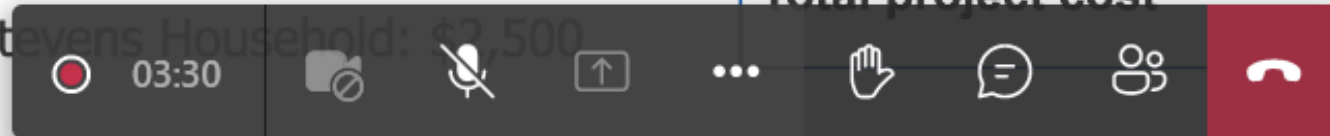
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- 80% AMI for family of four in Richland: \$68,000
- Stevens' combined income: \$60,000
- Eligible for rebate? Yes, Low-income

Presenter 23 Total rebate: \$14,000

- Final project cost to Stevens Household: \$2,500

Project Scope	Upgrade Cost	Upgrade Discount
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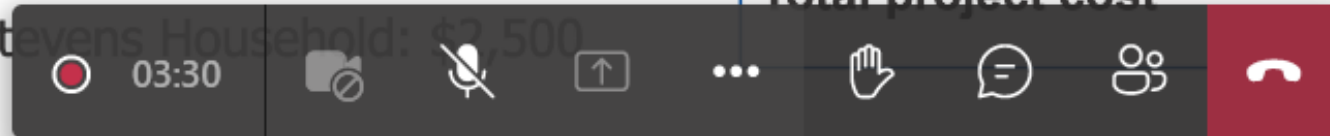
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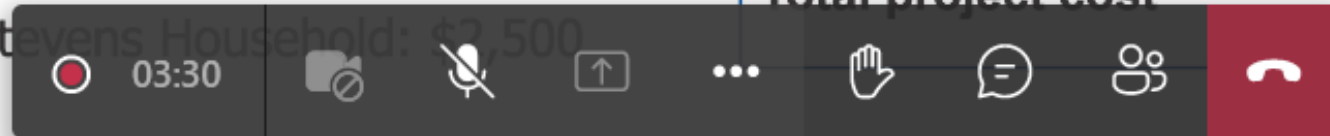
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# AGENDA

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- Why are we here today?
- Existing energy programs in Wisconsin
- IRA Home Energy Rebate Programs Summary
- Survey: We want to hear from you!
- Public Comment
- What's next?

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# IRA HOME ENERGY REBATE PROGRAMS IN WISCONSIN



- Wisconsin anticipates being awarded nearly \$150M for two programs:
  - Home **Efficiency Rebates** 
  - Home **Electrification** and Appliance **Rebates** 
- Focus on Energy was chosen by the Public Service Commission of Wisconsin to deliver the IRA Home Energy Rebate Programs.

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# EXISTING ENERGY PROGRAMS IN WISCONSIN

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Part



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# EXISTING ENERGY PROGRAMS: FOCUS ON ENERGY®



- Wisconsin utilities' statewide energy efficiency and renewable energy program.
  - Helps Wisconsin residents and businesses manage rising energy costs.
  - Provides education, information, and incentives.
  - Promotes in-state economic development.
  - Protects our environment.
  - Controls Wisconsin's growing demand for electricity and natural gas.

sender

32

• Some utilities have programs and rebates in addition to Focus on Energy.



10:52



# EXISTING ENERGY PROGRAMS: ENERGY ASSISTANCE PROGRAMS



Home Energy Plus (HE+) is a collection of statewide energy assistance programs. These programs include:

- **Wisconsin Home Energy Assistance Program (WHEAP)**
  - Assists with electric and heating costs for eligible applicants.
- **Weatherization Assistance Program (WAP)**
  - Provides energy efficiency improvements to eligible applicants.
- **Home Energy Plus Program Services**
  - Provides furnace repairs and replacements, water heater replacements, and water conservation measures to eligible applicants.

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# EFFICIENCY REBATES – HOW MUCH MONEY IS POTENTIALLY AVAILABLE PER PROJECT?



Type of Home Energy Project	Households below 80% Area Median Income (AMI)	Households between 80 and 150% AMI	Households above 150% AMI <sup>2</sup>
Home Efficiency Project with at least 20% predicted energy savings	80% of project costs up to \$4,000 <sup>1</sup>	50% of project costs up to \$2,000 (maximum of \$200k for a multifamily building)	
Home Efficiency Project with at least 35% predicted energy savings <sup>2</sup>	80% of project costs up to \$8,000 <sup>1</sup>	50% of project costs up to \$4,000 (maximum of \$200k for a multifamily building)	

Slide 21 of 45

To presenter

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<sup>1</sup> The state may request to increase the cap from 80% up to 100% of project costs. They state may also request to remove the project cost caps of \$4,000 and \$8,000 for low-income households.

Hang up

<sup>2</sup> The state may request to limit eligibility by income.

21:35





# EFFICIENCY REBATES – EXAMPLES



## Smith Household in Brown County

The Smiths, family of four, have an old water heater and want to insulate their home so it's more comfortable.

80% AMI for family of 4 in Brown county: \$76,400  
Smiths' combined income: \$98,800  
Eligible for low-income rebate? No

Project Scope	Cost
Attic insulation	\$3,500
Whole-home air sealing	\$2,200
Heat pump water heater	\$4,000
Smart thermostat	\$300
<b>Total project cost</b>	<b>\$10,000</b>

Modeled energy savings: 24%  
Eligible rebate: \$2,000  
Project cost to Smiths: \$8,000

## Beck Household in Brown County

The Becks, family of four, are in the same situation, but have an older home and less income.

80% AMI for family of 4 in Brown County: \$76,400  
Becks' combined income: \$54,000  
Eligible for low-income rebate? Yes

Project Scope	Cost
Attic insulation	\$3,500
Whole-home air sealing	\$2,200
Heat pump water heater	\$4,000
Smart thermostat	\$300
<b>Total project cost</b>	<b>\$10,000</b>

Modeled energy savings: 24%  
Eligible rebate: \$8,000  
Project cost to Becks: \$2,000

Smart thermostat  
Slide 22 of 45 > To presenter 42

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# EFFICIENCY REBATES - RETROACTIVITY



States must provide rebates for projects that:

- Are initiated on or after Aug. 16, 2022
- Meet all federal, and any additional state requirements

Likely state requirements:

- A home assessment completed **before** work done, including all required documentation and written consent
- Envelope upgrades must be completed **before** HVAC upgrades



# WISCONSIN'S ADDITIONAL GOALS



- **Leverage existing Focus on Energy infrastructure** to maximize administrative efficiency and improve customer experience.
- **Target customers** where up-front costs have been barriers, particularly those **with high energy burden or that rely on delivered fuels.**
- **Electrification projects should result in reduced household energy bills.**
- **Transparent program planning and implementation,** with opportunities for stakeholder input and public comment.

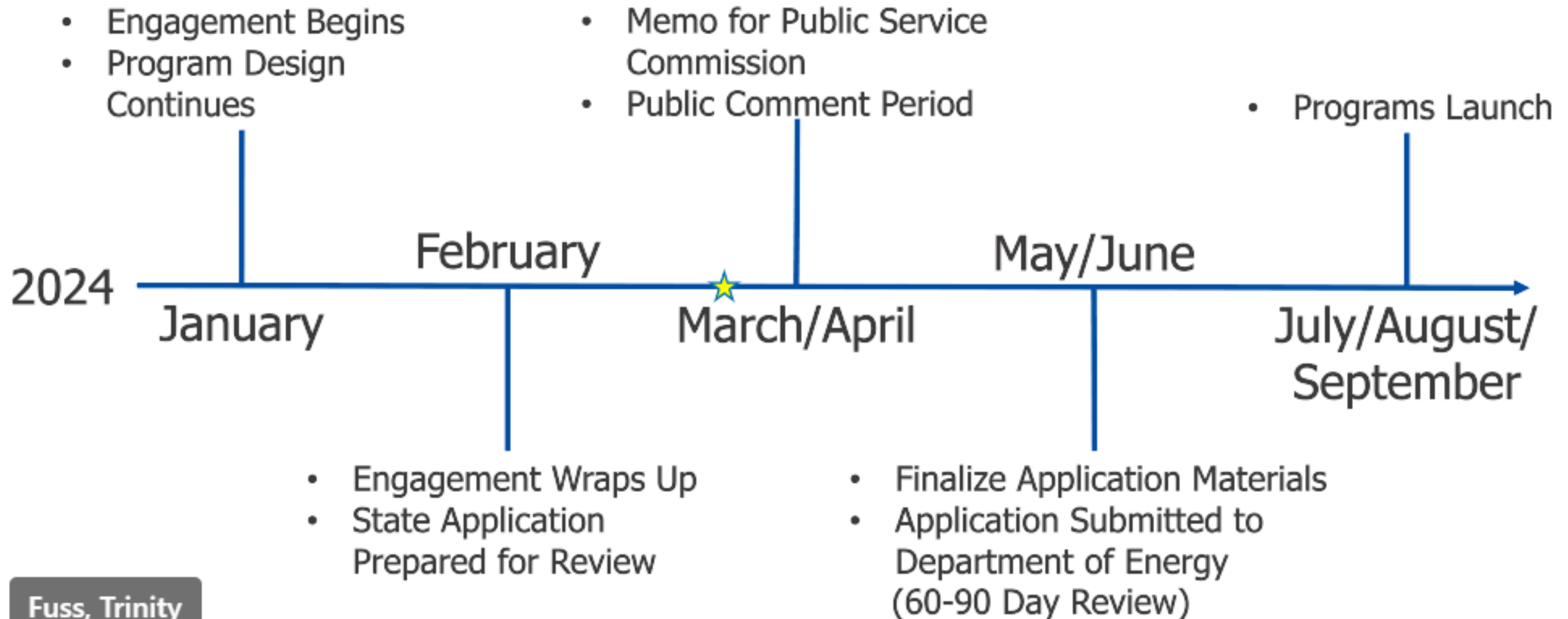


# CUSTOMIZING THE PROGRAMS FOR WISCONSIN



- Many program elements are set by federal law or determined by the state of Wisconsin from the Public Service Commission.
- States have limited control over some program elements. Some examples include:
  - Amount of funds reserved for low-income homes.
  - Incentive amounts, in some instances.
  - Income verification methods.
- At this time, Home Energy Rebates Programs are not available in Wisconsin

# IRA HOME ENERGY REBATE PROGRAMS TIMELINE



# TERMS TO KNOW



- Area Median Income (AMI):
  - The median income of the area in which an individual or family resides. Based on the number of people living in the home. Area is usually the county.
- Low-Income (per Department of Energy):
  - A household below 80% AMI.
- Moderate-Income (per Department of Energy):
  - A household between 80% and 150% AMI.

# TERMS TO KNOW



- Energy Burdened:
  - A household's energy costs are  $>6\%$  of the household's income.
- Electrification:
  - The process of replacing technologies that use fossil fuels like natural gas, oil, and coal with electric technologies.
- Home Assessment:
  - Analysis of a home's energy use. Looks at the condition of systems in the home, such as heating, cooling, water heating, and insulation. Results are often modeled in software tools and a report is provided.

# EFFICIENCY REBATES – PROGRAM SUMMARY



**focus on energy**<sup>®</sup>

Partnering with Wisconsin utilities



# EFFICIENCY REBATES – SUMMARY



- Performance-based whole-home rebates.
- The rebate amount is based on the estimated percentage (%) of energy saved.
  - Estimated energy saved is provided in a report, after a home energy assessment is performed.
- And higher rebates are available for low-income households.

# EFFICIENCY REBATES – ELIGIBILITY



## Project eligibility:

- Requires a home energy assessment.
  - Projects will need to predict at least 20% energy savings.
  - Projects estimated to save 35% are eligible for higher rebates.
- Rebates are not specific to any one technology.
- Must include at least one major upgrade:
  - ENERGY STAR® heating and cooling,
  - envelope, or
  - ENERGY STAR water heating.



# EFFICIENCY REBATES – ELIGIBILITY



## Household eligibility:

- ✓ Law does not limit eligibility based on household income.
  - But states may choose to limit based on income.
- ✓ Households at or below 80% AMI are eligible for higher rebates.
- ✓ Single-family or multifamily homes.
- ✓ Properties may be owner-occupied or rental properties.
- ✗ New construction homes are not eligible.



# ELECTRIFICATION REBATES – PROGRAM SUMMARY

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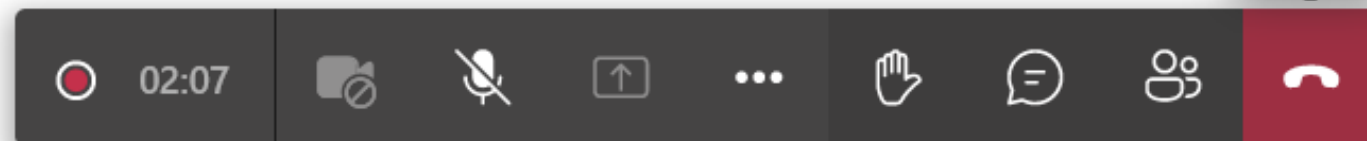


# ELECTRIFICATION REBATES – SUMMARY



- Instant discount on qualifying electric appliances and home upgrades.
- May be purchased through a contractor or at retail.
  - Some measures must be installed by a Contractor.
  - Others can be DIY.

enter 22 Higher rebates are available for low-income households.



# ELECTRIFICATION REBATES – ELIGIBILITY



## Eligible equipment:

1. Electric heat pump water heater
2. Electric heat pump for space heating
3. Electric cook top, range, oven, or heat pump clothes dryer
4. Insulation, air sealing, or ventilation
5. Electric load service center (a.k.a. an electrical panel)
6. Electric wiring upgrades

## Project eligibility:

- Must replace a non-electric appliance
- Most equipment



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22



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# ELECTRIFICATION REBATES – ELIGIBILITY



## Household eligibility:

- ✓ Households at or below 80% AMI are eligible for higher rebates.
- ✓ Single-family or multifamily homes.
- ✓ Owner-occupied or rental properties.
- ✓ New construction homes are eligible.
- ✗ Households above 150% AMI are not eligible.



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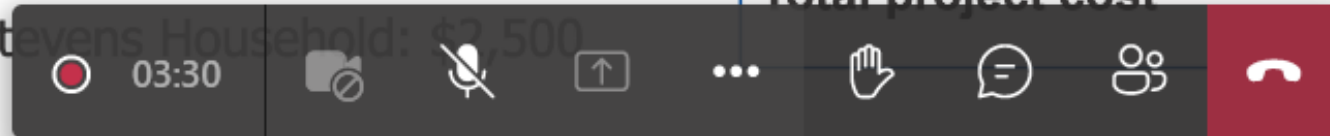
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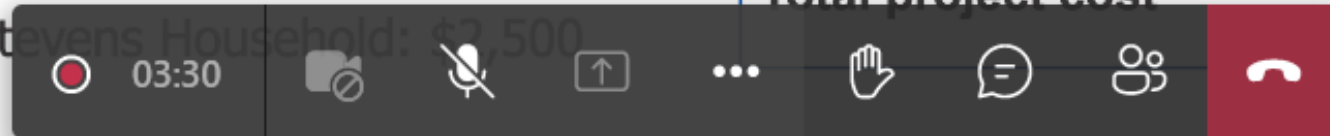
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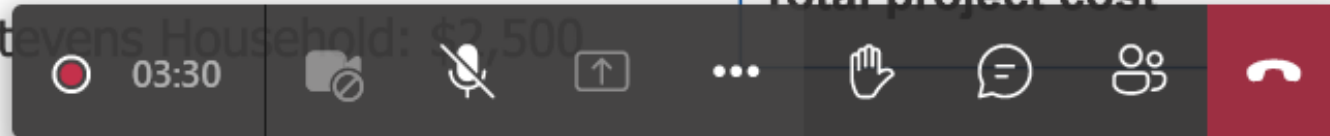
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<b>Total project cost</b>	<b>\$16,500</b>	<b>\$14,940</b>



# ELECTRIFICATION REBATES – EXAMPLE



## Stevens Household in Richland County:

The Stevens, family of four, have a 12-year-old, inefficient boiler. They also need a new dryer, have an outdated electric panel and wiring. Finally, some gaps in the foundation were allowing air through.

- 80% AMI for family of four in Richland: \$68,000
- Stevens' combined income: \$60,000
- Eligible for rebate? Yes, Low-income

Presenter 23 Total rebate: \$14,000

- Final project cost to Stevens Household: \$2,500

Project Scope	Upgrade Cost	Upgrade Discount
Heat pump for space heating	\$7,000	\$7,000
Heat Pump clothes dryer	\$2,000	\$840
Electric panel upgrade	\$3,000	\$3,000
Electric wiring upgrade	\$2,500	\$2,500
Insulation & Air Sealing	\$2,000	\$1,600
<b>Total project cost</b>	<b>\$16,500</b>	<b>\$14,940</b>

