











Types of Problems

If these are found, EE projects can get **deferred**

- Water leaks/intrusion
- Injury hazards
- Pests
- Code violations
- Heating, plumbing, electrical deficiencies
- Asbestos, mold, lead paint

MEEA =

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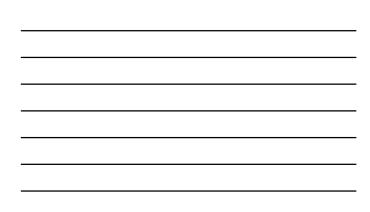
Deferrals

Some problems make the utility walk away from the project

- Scale of the problem
 - 6 million households nationwide have moderate to severe home health hazards
 - 30 million households have some form of indoor environmental hazards (NC State)
- EE projects deferred in 20-60% of households in Midwest
 programs (MERAblag)
- Deferred customers are often also those with the highest energy burden - % of income going to energy bills

MEEA =

	All households			Low-income households		Black households			ACEE Hispanic households			
Metro Area	All	Owner	Renter	All	Owner	Renter	All	Owner	Rental	All	Owner	Renter
National	5.7%	5.4%	6.3%	15.2%	17.2%	13.2%	7.2%	6.7%	7.8%	6.2%	5.8%	6.8%
Chicago	4.1%	4.0%	4.7%	15.7%	14.9%	18.6%	9.1%	10.2%	6.9%	4.8%	3.8%	6.2%
Detroit	6.0%	5.4%	8.3%	15.2%	14.1%	16.4%	8.8%	7.6%	9.7%	6.0%	5.4%	6.9%
Minneapolis	3.7%	3.5%	4.9%	14.0%	15.9%	12.2%	4.4%	2.7%	6.0%	4.6%	3.3%	9.0%
Cincinnati*	4.4%	4.3%	4.8%	13.6%	14.8%	10.9%	5.0%	4.3%	6.5%	6.5%	4.9%	6.5%
Kansas City*	4.9%	4.2%	6.6%	12.7%	13.6%	12.0%	6.3%	4.8%	8.6%	5.5%	4.0%	5.8%
Milwaukee*	5.1%	4.5%	6.3%	12.3%	16.0%	10.9%	7.5%	6.3%	8.0%	6.0%	5.7%	6.2%



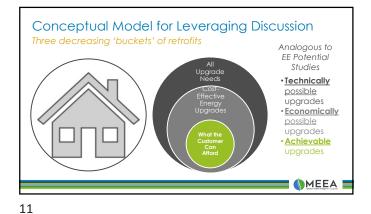
Why are Deferrals a problem?

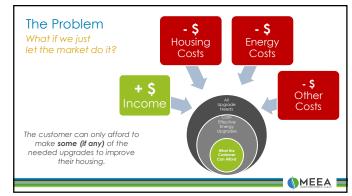
Not good for the customer or the utility

- **Homeowner** finally gets to the top of the waitlist and then audit shows that they can't be served .
 - Feel they wasted time & effort applying
 - Lowered satisfaction and decreased expectation of participation in future programs

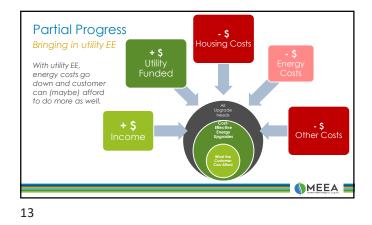
 - Energy burden not reduced
- Sunk costs to implementer budget from evaluating a home that cannot be weatherized (and for which they can't claim any savings from the money spent)

MEEA =

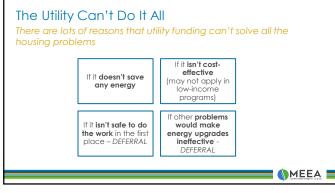




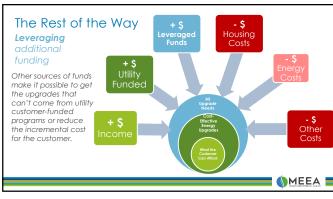


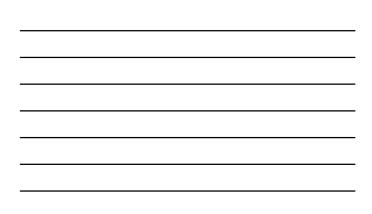




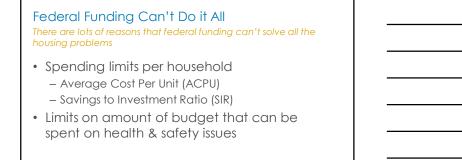




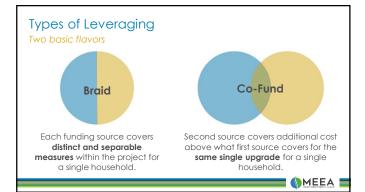


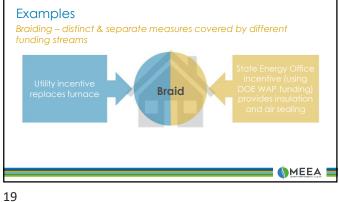


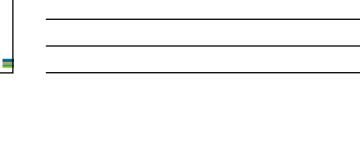


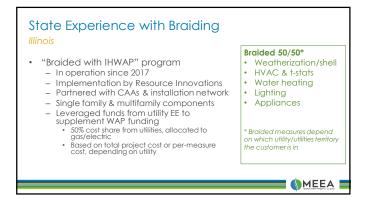


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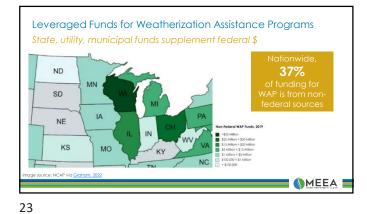


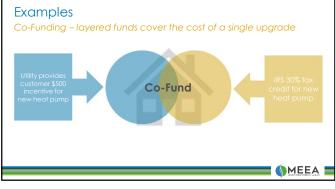
State Experience with Braiding Minnesota

- Leveraged funds from multiple sources
 - WAP
 - U.S. Department of Health and Human Services
 - Utilities
 - Designated state funds
- Work with 23 local service providers across the state to deliver programs
- <u>Recognition from DOE</u> for success of their approach

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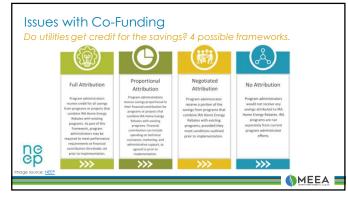
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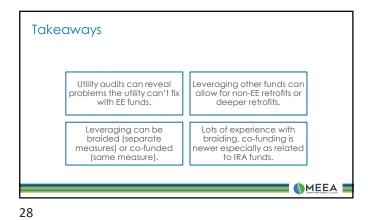


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Pilot Model

Tennessee Valley Authority's Home Uplift Program

 $\ensuremath{\mathsf{Program}}$ to reduce low-income homeowners' energy burden through retrofits at no cost to residents

Initially fully funded through TVA - wasn't sustainable long term

Started looking for other funding sources to keep up with demand

- Charitable donations
- Local partnerships
- o Grants, including Federal Home Loan Bank's Affordable Housing Program

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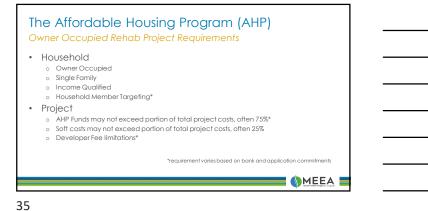
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The Affordable Housing Program (AHP) FHLB and Community Investment Banks set aside at least 10% of annual net earnings to be used as gap financing for Affordable Housing Development or Rehabilitation • AHP Competitive AHP Set-Aside, Most banks require a matching funder Application is submitted by a team Sponsor – developer or non-profit 0 Member – FHLB Member Bank Institution Projects awarded based on a 100-point scoring system Highest scoring projects until funding runs out Competitiveness of a single application is based on the competitiveness of the pool 0 Project deviations from application may decrease points and put funding at risk

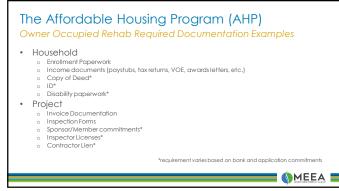
The Affordable Housing Program (AHP) 2023 Competitive Fund Awards Summary

	Rental Housing Projects	Owner-Occupied Housing Projects	Total Housing Projects
Total Number of Awarded Projects	343	100	443
Subsidy Awarded (\$ in Millions)	\$266.2	\$52.8	\$319
Number of Housing Units	17,598	2,703	20,301
Average Subsidy per Unit	\$15,126	\$19,536	\$15,714
Number of Very Low-Income** Housing Units	12,206	1,414	13,620

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The Affordable Housing Program (AHP)

Owner Occupied Rehab Funding Limitations

- AHP Funding is very flexible!
- Root repair/re Structural rep
- Structural repairs Lead-based paint hazard reduction Accessibility modifications Mold remediation
- Malatemediation Repair/replacemental major housing systems, attached garages, or parches necessary for ingress and egress to fix code or safety violation(); Repair/replacemental windows, gutters, or siding .

- Repair/replacement of windows, gutters, or siding Permanent frequeate Repair/replacement of basic carpeting or fitoss Bechtical or plumbing work, needed to maintain habitability Repair/replacement of basic larght fitures Drywall, painting, fikuters, and floating, only it related to other necessary repairs Interior painting, fikuters, and floating, only it related to other necessary repairs Interior painting, Fikuters, and floating, only it related to other necessary Exterior painting, Fikuters of habitating code or safety violation(s) Installation/repair of affixed solar panels

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The Affordable Housing Program (AHP) **Owner Occupied Rehab Funding Limitations** A few limitations... Decks not necessary for ingress and egress Finished attics or basements Finished attics or basements Fences and gates Detached garages, sidewalts, and driveways Awrings and shuttes Landscaping and irrigation systems Furniture and appliances, including portable fireplaces and A/C units Window incentenets Additions or eventerions Security alarms and smart home systems Institution of siduritat where mone existed before Installation of skylights where none existed before Homeowner's personal labor Upgrades to the building exterior solely to improve aesthetics/curb appeal (e.g., reshingling, building re-surfacing, façade iculture or horticulture structures (e.g., barn houses or greenhouses)

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WeCare Plus - Kentucky Program Design Extension of the WeCare Program



- Louisville Gas and Electric Company and Kentucky Utilities Company (LG&E - KU)'s Weatherization, Conservation Advice and Recycling Energy (WeCare) program
- Offered since 1994
- Designed to create savings through weatherization and energy education to help income-eligible customers in need
- Provides ~\$1,500 in energy efficiency upgrades to 4,000 homeowners annually

WeCare Plus - Kentucky

FHLB Cincinnati Pilot

• Partners

o MEEA (sponsor)

- People's Bank (member)
- WeCare Program Team
- 2 AHP grants of \$398,650 each
 - o 93 homes in Urban Counties (Fayette & Jefferson)
 - o 93 homes in Appalachian Counties (Bell, Harlan & Madison)

Average FHLB investment of \$4,286, totaling ~\$5,786 per home!

MEEA

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WeCare Plus - Kentucky

Program Requirements

- Household:
 - o Owner Occupied, Single family
 - Household member over 60 years old
 - Household ≤ 50% AMI
- Project:
 - FHLB funds < \$15,000 or 75% of project costs (whichever is less)
 - \circ Hard costs \geq \$5,000
 - Soft costs ≤ 25% of total project costs
 - Developer Fee <15%

EEA 🗧

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Helping Homes - Cook County, IL Program Design Correct Energy And Program Press CAS' NorTH SHORE GAS' Extension of the Home Energy Savings Program: Commonwealth Edison (ComEd) partners with Nicor Gas and Peoples Gas to deliver weatherization and energy savings program to their shared income quadified customers, Home Energy Savings Program (HES) Average utility investment of \$8,400 in each home Average Unity investment of \$8,400 in each nome Deferrals common due to expensive health and safety concerns or major structural issues (roof repairs, electrical issues, mold and moisture, code violations, etc.) • In 2021, 19% of single-family homeowners were deferred from the program Homeowners need to address the concerns before they can be added back into the queue for HES 0

Helping Homes - Cook County, IL FHLB Chicago Pilot

- Partners
 - MEEA (sponsor) • Providence Bank (member)

 - HES Program Team
- 2 AHP grants for \$357,600 each o 24 homes in Urban Cook County (Chicago) o 24 homes in Suburban Cook County

Average FHLB investment of \$14,900, totaling ~\$23,300 per home!

MEEA =

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Helping Homes - Cook County, IL Program Requirements • Household: • Owner Occupied, Single Family o Low-Moderate Income, Minority Census tract o 100% households < 80% AMI, 60% < 60% AMI • Project:

- \circ FHLB funds \leq \$15,000 or 75% of project costs (whichever is less)
- Soft costs ≤ 25% of total project costs
- \circ Developer Fee < 12%

MEEA

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The Story So Far... Stats as of September 25th • WeCare Plus o 51 homeowners identified as potential candidates 7 homes where rehab is complete 1 FHLB Disbursement Request submitted 12 ineligible or uninterested • \$48,673.40 of repairs completed, including \$30,457.36 from AHP • Helping Homes: 16 homeowners identified as potential candidates 4 homes where rehab is complete 4 homes ineligible or uninterested o \$108,664.69 of repairs completed, including \$59,600.00 from AHP

What We've Learned

- Key Considerations
 - Program introduction and marketing
 - Customer accessibility challenges
 Detailed document review
 - Detailed document review
 FHLBank and HUD updates
 - Customer experience and consistency across partners
- Challenges
 - Data and documentation alignment

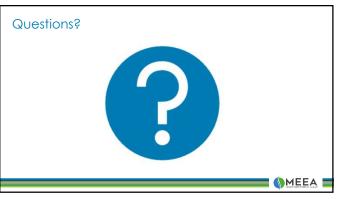
Nuances between different bank requirements and processes

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References

- FHLBanks <u>https://fhlbanks.com/affordable-housing-2020-awards/</u>
- Home Uplift <u>https://energyright.com/residential/home-uplift/</u>
- Home Uplift Lessons Learned <u>https://thda.org/pdf/NEW-TVA-Home-Uplift-Presentation.pdf</u>
- WeCare https://lge-ku.com/wecare
- Home Energy Savings Program - https://www.comed.com/ways-to-save/for-your-home/home-energy-savings

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