

Welcome to the waiting room. We'll begin shortly.



Reminder: Today's webinar will be recorded and shared with attendees.



Welcome



Luke Miller
Senior Associate,
Policy and Programs

Things to Note

- This webinar is being recorded
- In NEEP's ongoing effort to improve accessibility to both our work and events, we have enabled the closed captioning, the control to disable this feature is located in the lower right corner
- The slides and recording will be sent to all attendees
- All lines will remain on mute—please type in your questions in the Q&A at any time
- Chat will be available for comments, discussion, and collaboration
- Antitrust statement: Participants shall comply with competition law requirements and shall not enter into any discussion, activity or conduct that may violate any applicable competition law



ALLIES NETWORK



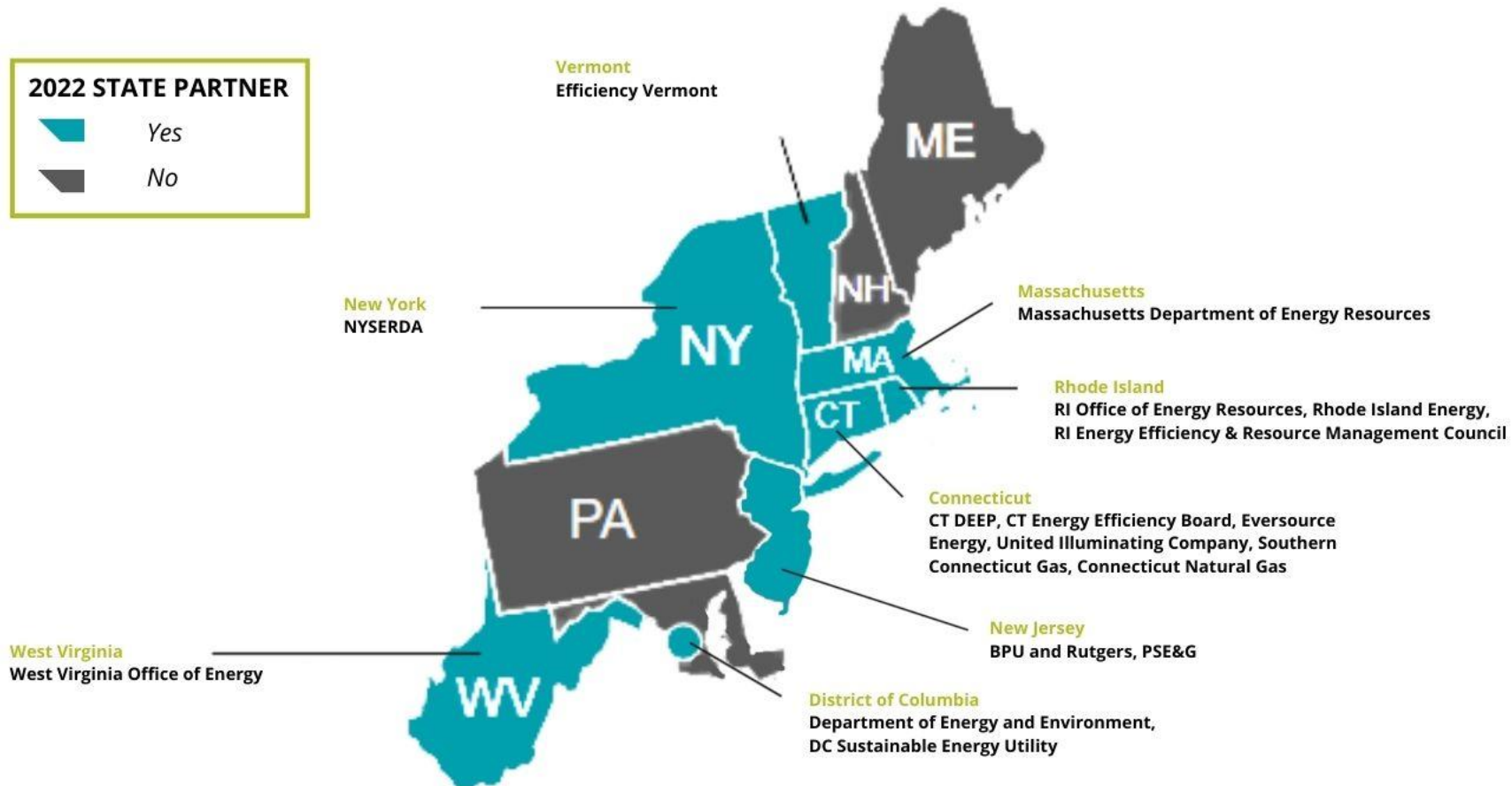
Funders



Northeast Energy Efficiency Partners (NEEP)

State Partnerships

NEEP works closely with our State Partners on the successful application of policies, programs, and technologies, and brings knowledge of what strategies work (and don't work) to advance the state's and region's clean energy goals.



NEEP Heating Electrification Workshop 2023
NEXT WEEK!



**HEATING
ELECTRIFICATION
WORKSHOP 2023**

ALL SYSTEMS GO

OCTOBER 24 & 25 | New Haven, CT



Unlocking the Power of Energy Data

Utility Data Access and Future Energy Efficiency Planning

Luke Miller

**Senior Associate, Policy and
Programs**

IRA Implementation and Data Access

- Good use of data can enhance energy efficiency programs
 - Education; customer behavior
 - Improved equity outcomes
- IRA funding requires a data access plan
 - Opportunity to create lasting data infrastructure
 - Involving utilities
- Establishing data security and sharing practices invests in future programs
 - Data access will lead to better informed and executed building decarbonization programs

Key Elements of a Successful Data Access Plan

- Security and safety of energy consumption data
- Consent, notification, and revocation process
- Eligibility of third parties
- Data aggregation and anonymization
- Quality and accessibility of the data (quality/frequency)
- Oversight and enforcement

DOE Requirements

- Security information
 - Encryption, secure access, guidelines, and security incident response protocols
- Customer consent process
 - Consent, notification, revocation prior to program
- Disclosure of energy consumption data use: primary or secondary
 - Primary: essential legal functions (e.g., regulatory reporting)
 - Secondary: outreach, marketing

Third-party Engagement With Customer Data

- Eligibility requirements and oversight
 - Guidelines for any parties handling customer data
 - DOE's 2015 Voluntary Code of Conduct
 - Existing eligibility criteria from utilities, regulators, or other programs (CA, NY, TX)
 - Choose which regulatory authority oversees third-party implementers
 - Utility contracts with third parties, state examples (CA, NH, TX)

Takeaways

- Form a Data Access Working Group
 - Data access and security will involve coordination and collaboration (utilities, third-party implementers, and other stakeholders)
- Develop secure data protection and access protocols
 - Safely transfer data to relevant stakeholders
- Implement a benchmarking strategy
 - Assess building energy usage over time
- Design rules governing data aggregation and anonymization
 - Compile customer data and permit third-party use without compromising customer privacy
- Outline the customer consent, notification, and revocation process
 - Customers are informed of data sharing and can decide whether to participate



Utility Data and the Inflation Reduction Act

Leveraging data for effective and efficient program implementation

Samantha Caputo

Opower

Manager, Regulatory Affairs and Market Development

With IRA, there is a lot of pressure on state energy offices and their contractors



There are a lot of potential challenges without the right data

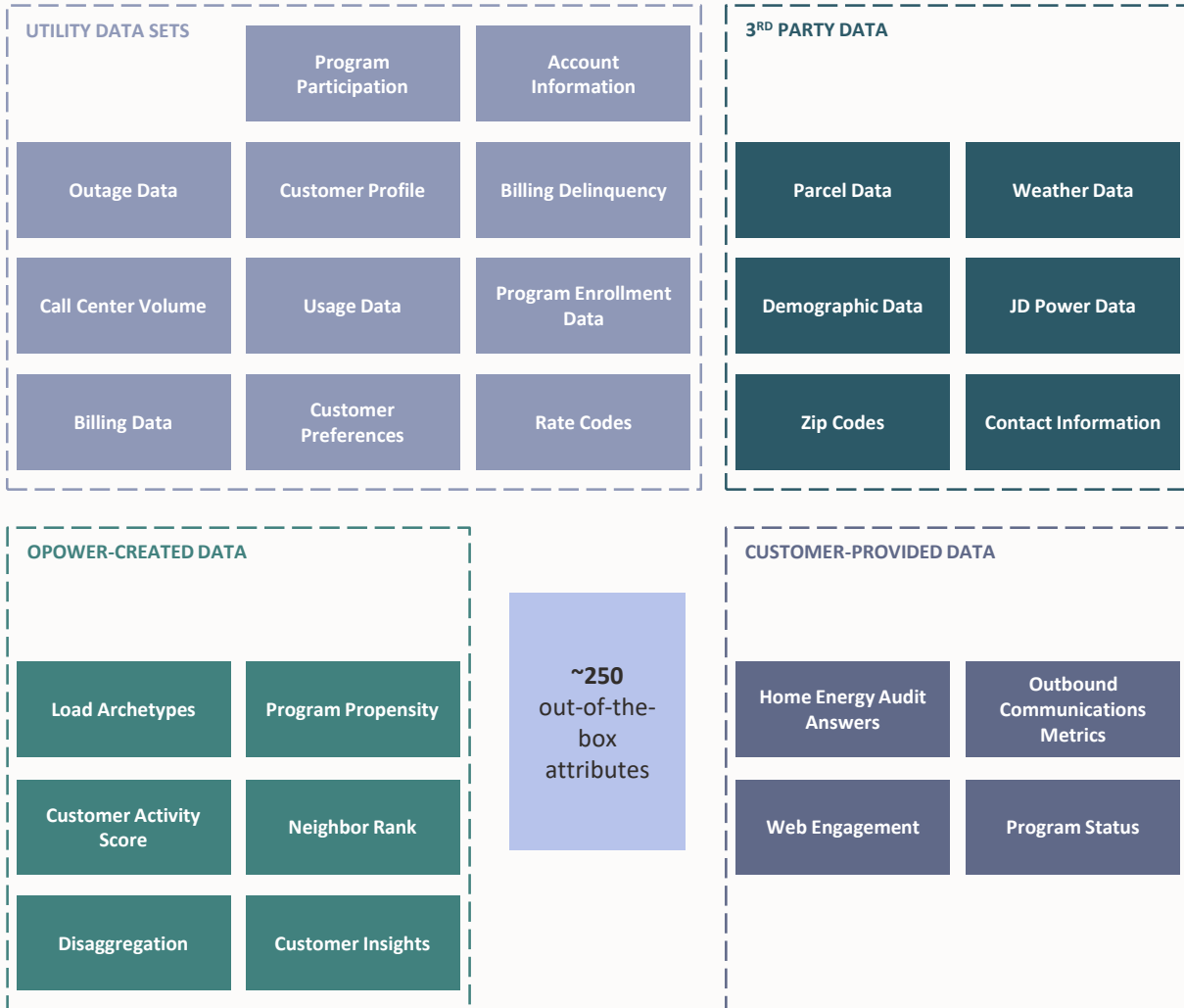
It will be hard to:

- Locate the right customers
- Determine home eligibility
- Verify Income
- Get interval data for HOMES for measured and modeled approaches
 - Not many states have Green Button Connect to verify program outcomes
- Fulfill program and legal requirements



Without seamless customer and usage data we will be left with inefficient and ineffective programs

Utilities have the data to help find and engage customers and verify program performance

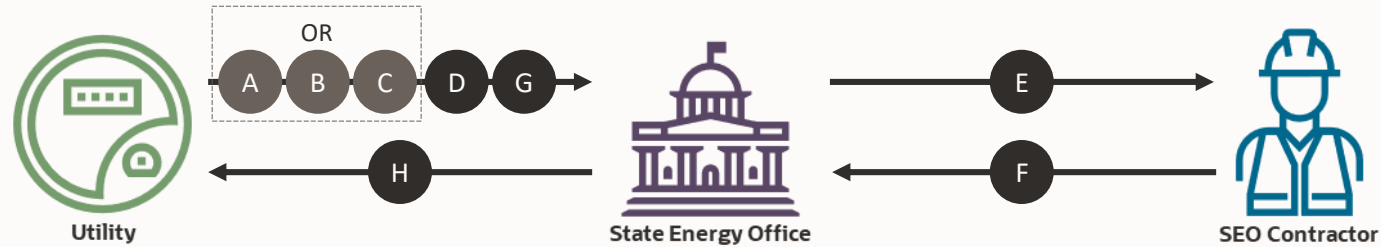


Select key data from lefthand side of the page

- Customer utility and account number
- Premise attributes
 - Building address
 - Dwelling type
 - Year built
 - MF home # units
 - Renter/Owner occupied
 - # people in household
- Measured savings approach – 12 months of utility usage prior to upgrade, post upgrade
- Modeled savings approach – 12 months of utility usage prior to upgrade



There are multiple options for data sharing between Utilities and SEOs and their 3rd Party Contractors



| Activity | Data exchanged |
|--|---|
| SEO marketing of programs to Customers | A. From Utility to SEO: customer premise attributes for <u>all customers</u> |
| | B. From Utility to SEO: customer premise attributes + advanced insights (affordability, disaggregation, etc.) for <u>all customers</u> |
| | C. From Utility to SEO: customer premise attributes for <u>targeted customers</u> based on advanced insights like eligibility and likelihood to participate |
| SEO sharing with Contractors for home energy assessments and project installation | D. From Utility to SEO: pre-install usage data for program participants |
| | E. From SEO to SEO Contractor: customer premise attributes + pre-install usage data for program participants |
| | F. From SEO Contractor to SEO: updated home energy assessment + completed measures for program participants |
| SEO validation of project savings (measured projects only) | G. From Utility to SEO: post-install usage data for program participants for measured programs |
| Utility tracking of participants | H. From SEO to Utility: updated home energy assessment + completed measures for program participants |



Value in what utilities provide to states to support IRA programs



Identify customers who would benefit from IRA programs

- Get customer premise data from utility
- Perform segmentation and targeting based on customer attributes available to the SEO



Present SEO IRA rebate information

- Host web portal with rebate information
- Perform marketing, education and outreach to get customers to enroll in programs



Capture customer authorization for data sharing with SEO and 3rd Parties

- Verify customer has current utility account when they authorize data sharing



Approve registration of 3rd Party Contractors for access to customer data

- Accept/reject 3rd Parties that sign up for data access
- Ensure that 3rd Parties are aware of data management policies



Get data for modeled or measured savings calculations

- Get customer usage data from utility
- Provide data to 3rd Party Contractors



Track completed customer measures

- Send completed measures to utility



Successfully finding, reaching, and removing barriers to enrollment will be super important in meeting IRA goals



1. Find



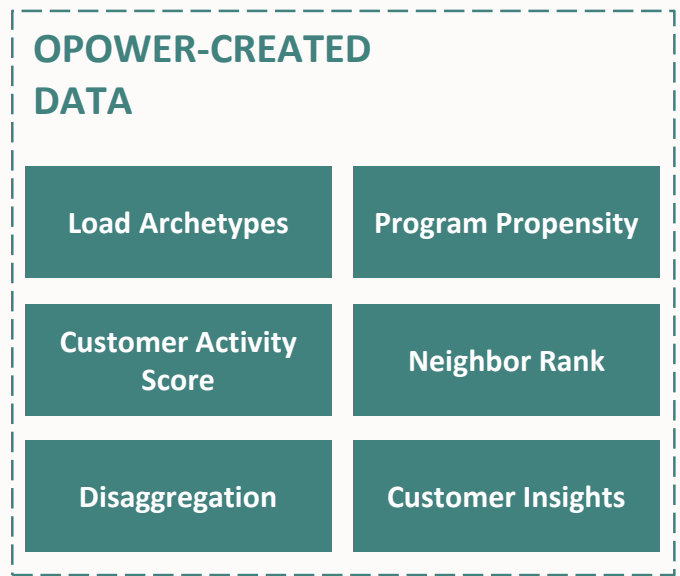
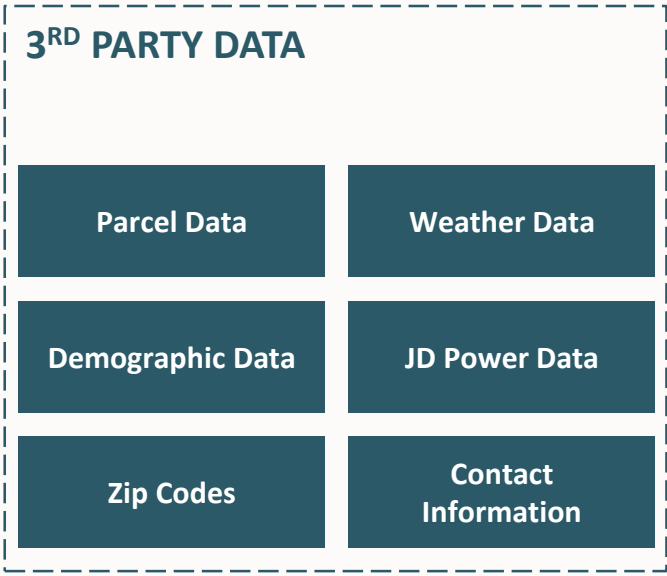
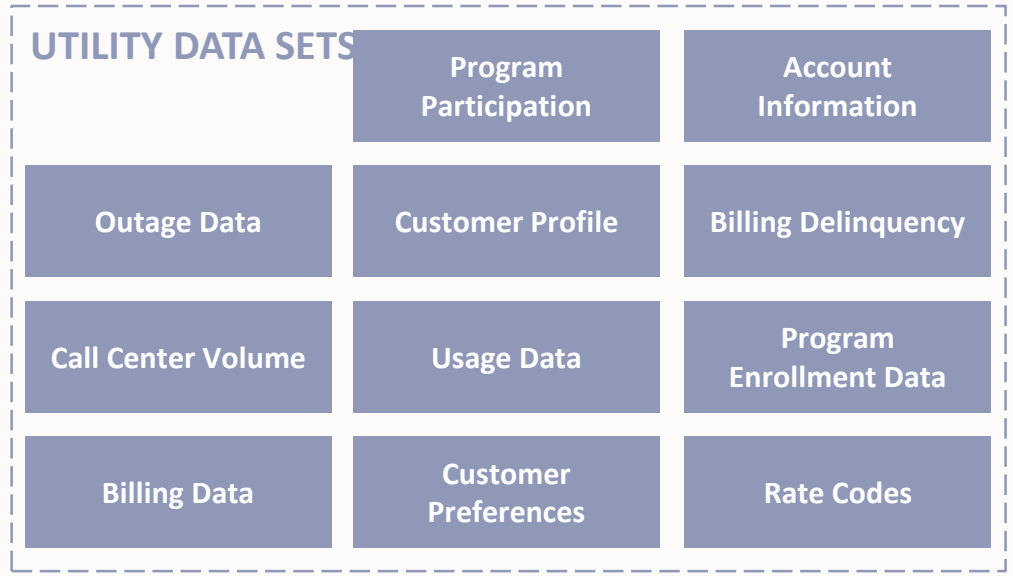
2. Reach



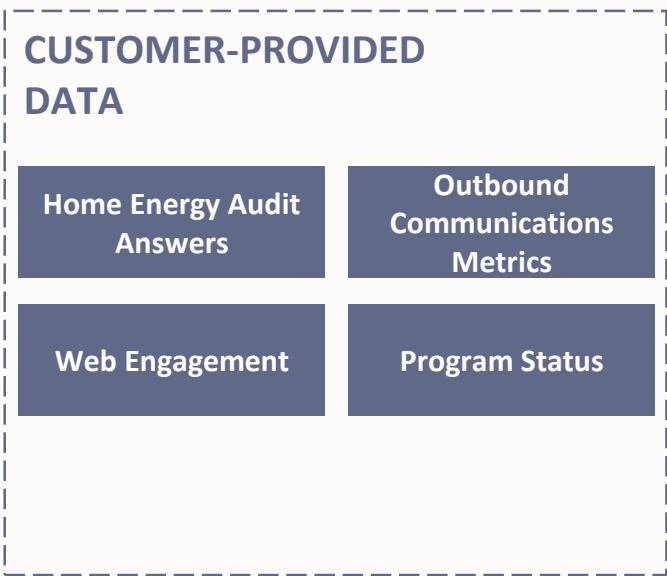
3. Enroll

Data is ingested from multiple sources, including from utilities

Data is layered to find high-likelihood customers for rebate programs



~250 out-of-the-box attributes



Data is ingested from multiple sources, including from utilities



Homeowners & Renters



Older homes



High heating usage



Lower income

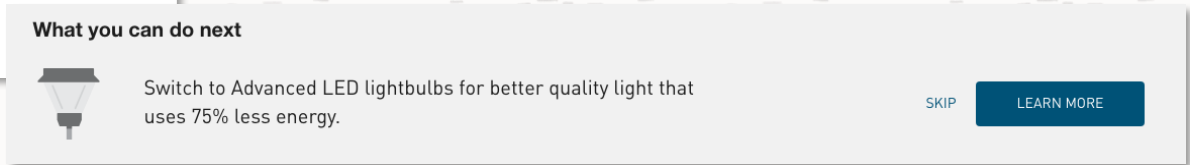
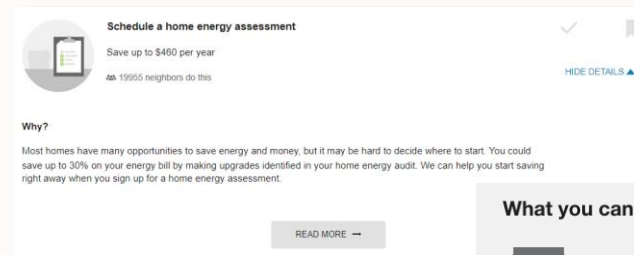
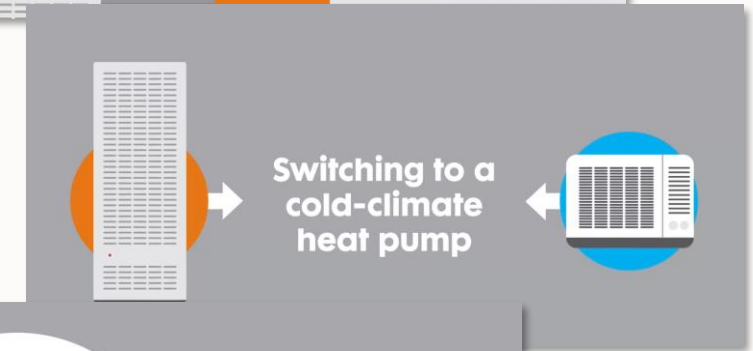
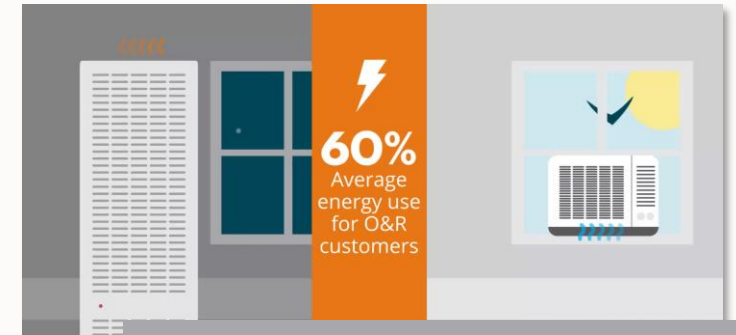
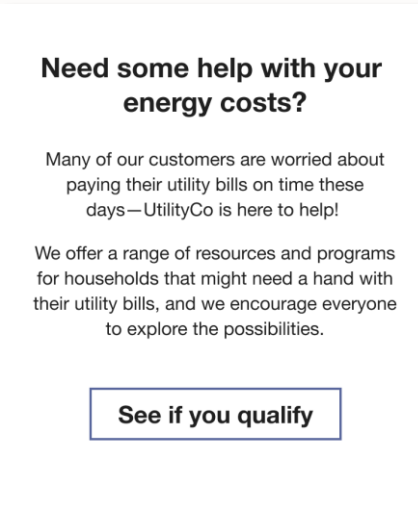
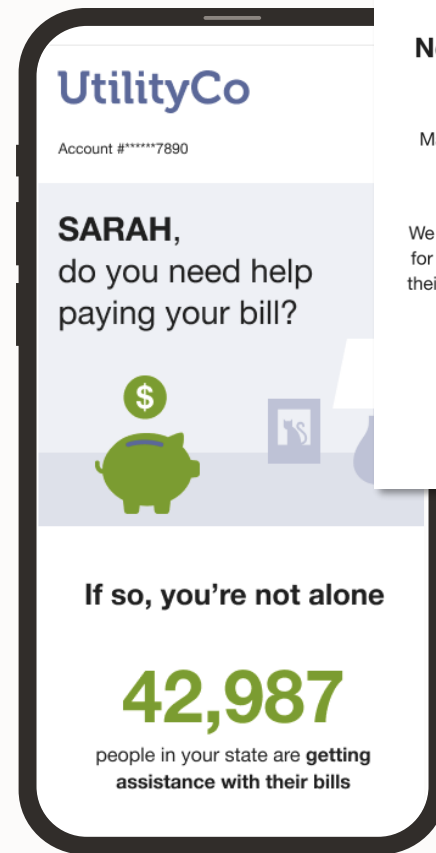


Have not previously participated in the targeted program

Customers receive personalized communications across channels that matter to them that alert them of program offerings

Customers answer common program eligibility questions

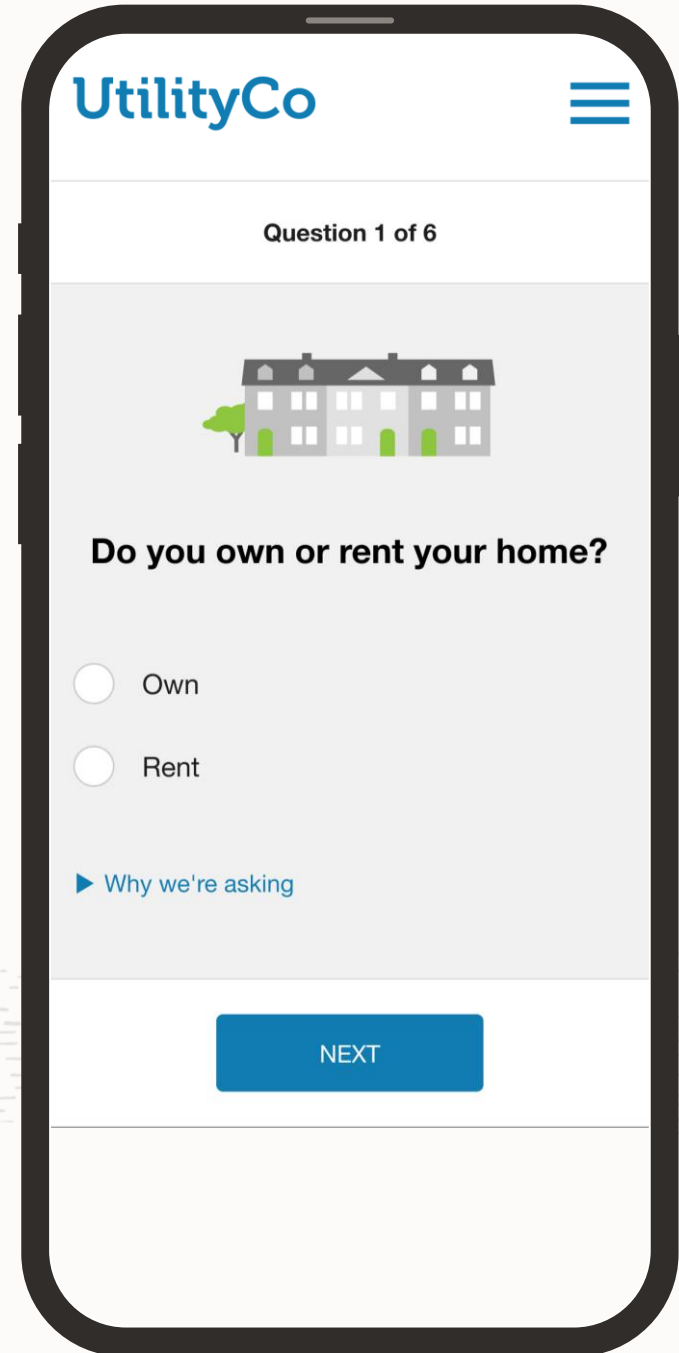
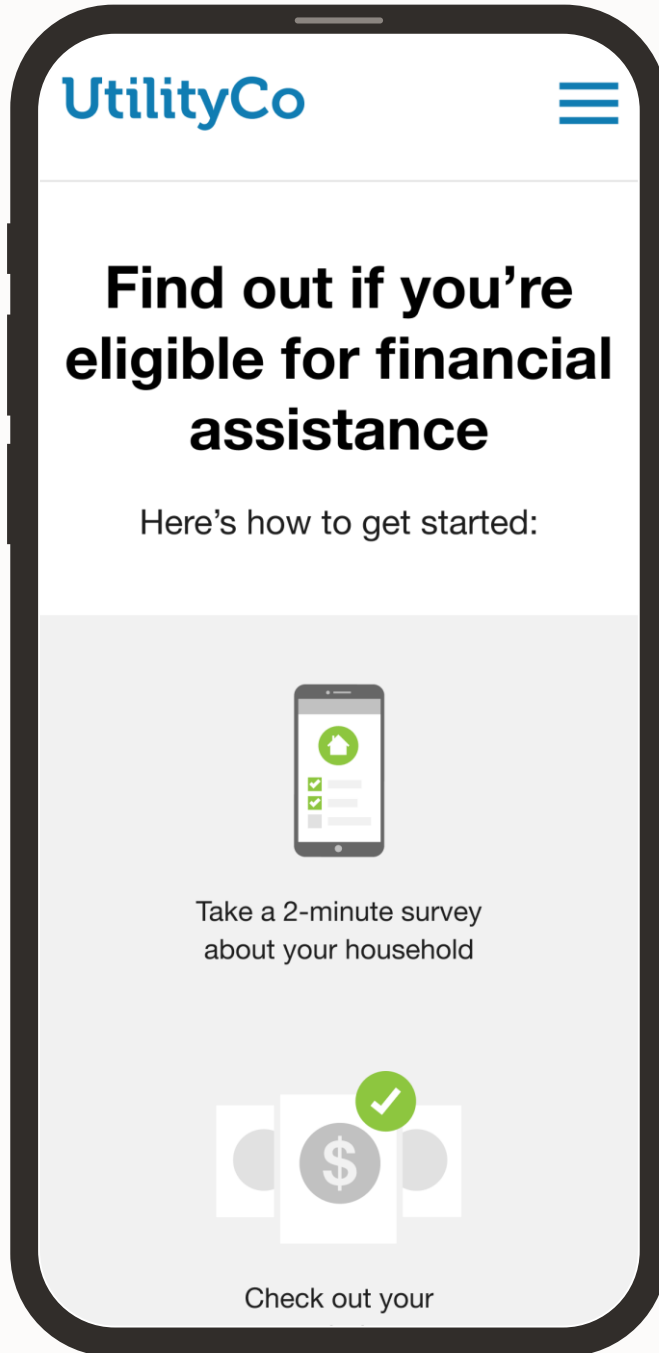
Customers get an individualized list of programs/rebates they're eligible for. Customers can browse and find more information on each of the programs.



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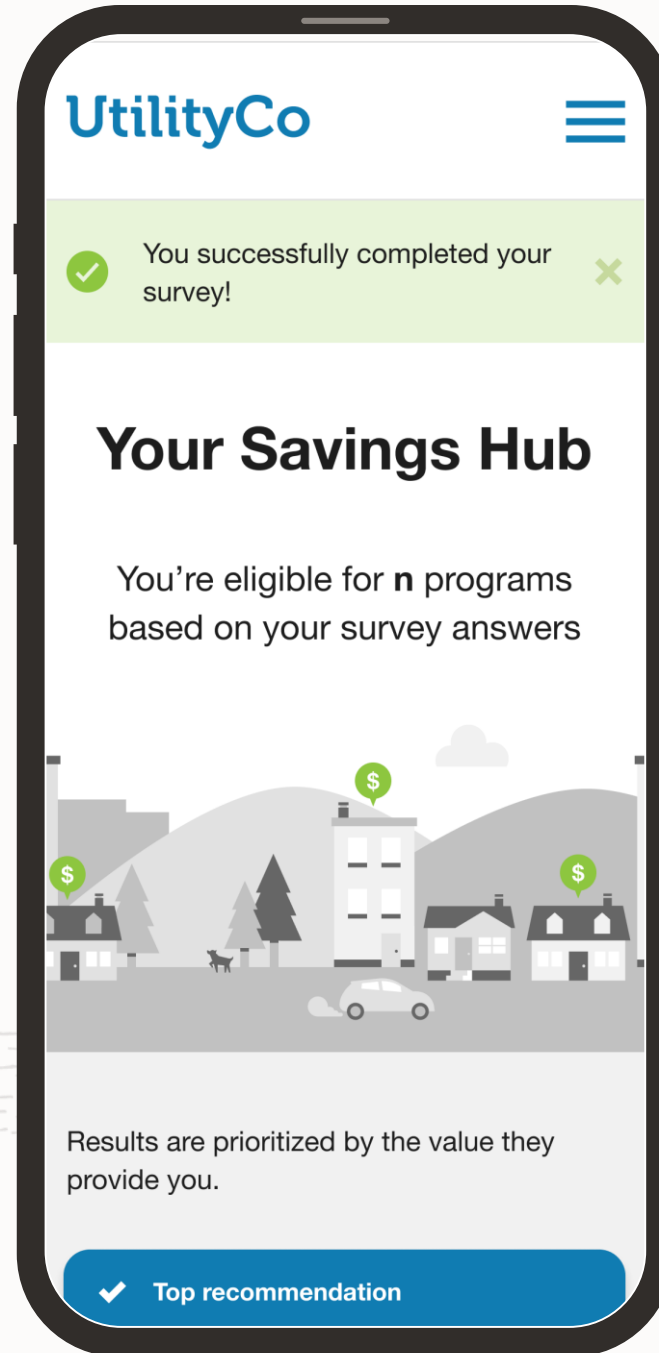
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Customers get an individualized list of programs/rebates they're eligible for. Customers can browse and find more information on each of the programs.



For programs where enrollment is the first step, customers can kickstart the enrollment process

- Contact the [Community Action Agency](#) or affiliated organization in your area. You can call 211 for no-cost assistance.
- The application is also available to download and complete [here](#).

Required documentation

- Proof of gross income from all sources for every household member for 4 consecutive weeks within the 3 months prior to the application date
- A current utility bill (or copy) in your name
- Social security cards for all household members

FREQUENTLY ASKED QUESTIONS

▶ [What does primary heat source mean?](#)

▶ [Will CEAP pay my entire bill?](#)

▶ [How will I know when the discount has been applied to my bill?](#)

[If I receive assistance from CEAP this winter can I receive financial assistance again next winter?](#)

APPLY NOW



A Building Lens

Colleen Morris

Calico Energy
CEO

A Building Lens

- Building focused policies (BEPS, benchmarking)
- Federal Incentives for building owners
 - 179D (measured >25%)
 - HUD's Green and Resilient Retrofit Program
 - Home Efficiency Rebate Program (mf measured >15%)
- DOE's IRA 50121 Data Access Guidelines
 - EPA guidance and assistance for buildings data
- Other Initiatives
 - NYSERDA's IEDR, NH, ME



- Benchmarking required for public, commercial, and multifamily buildings
- Benchmarking and additional actions required for public, commercial, and multifamily buildings
- Benchmarking required for public and commercial buildings
- Benchmarking and additional actions required for public and commercial buildings

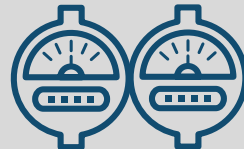
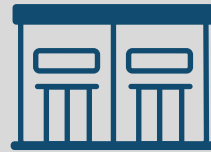
The Problem

■ residential ■ commercial

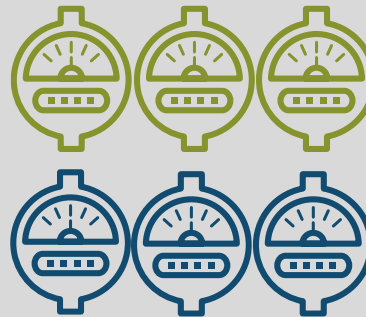
Single Family Residential



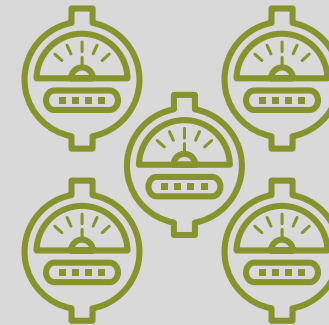
Multifamily Residential



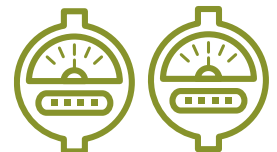
Mixed Use Commercial and Residential



Multitenant Commercial



Owner-Occupied Commercial



Utility Considerations

- Manual vs Automated
- Built vs Bought
- Product vs Custom
- Buildings Eligible
 - Mandated vs Elected
 - Building / Customer types

Stakeholder Considerations

- **This is a new use case:**
 - Existing utility data structures / tools do not automatically support this use case
 - Commercial buildings (policy language) ≠ commercial customers (utility language)
- **It takes some work, no matter what kind of solution is implemented:**
 - Rolling up meters / accounts to buildings for aggregation
 - Ensuring ongoing accuracy as meters / tenants change
 - Users are often non-customers / account holders
- **Utility commissions / regulators play a role for IOUs:**
 - Guidance around costs and cost recovery
 - Connecting / leveraging data for other programs / metrics
- **Alignment (or lack of) across localities / regions is impactful:**
 - Variation across locations increases complexity for both utilities and users
 - Balance uniformity for users with utility-side implications
 - Best practices / standards exist



Thank You for Attending Today's RSS

We look forward to seeing you again