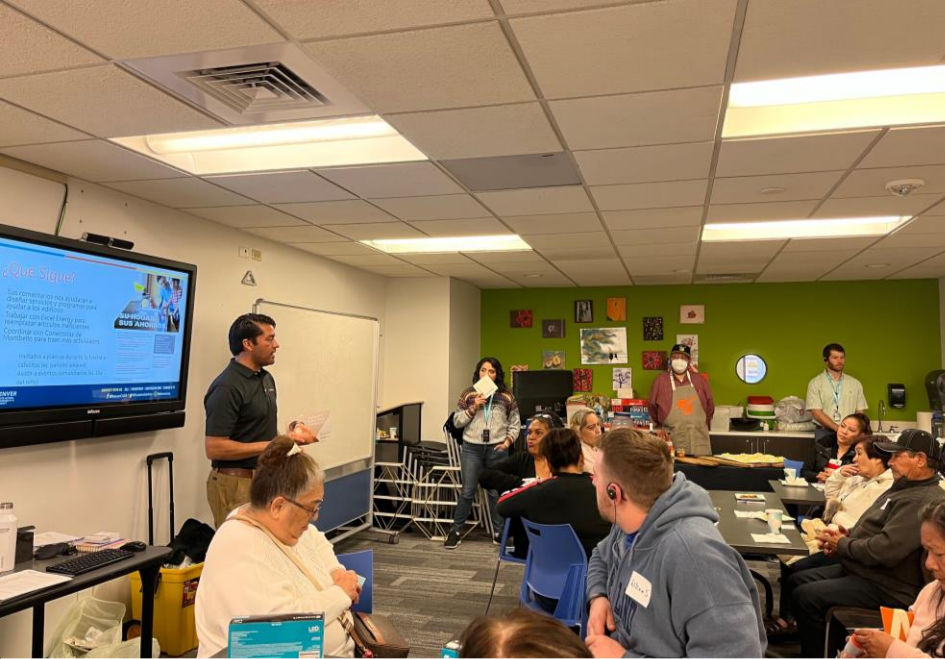


Webinar Protocol

- Mute when not speaking
- Turn off video during speakers' presentations
- Wait until prompted to participate
- Raise your hand to speak
- Drop your contact info in the chat box
- Submit questions using the chat box
- Tech support: call 720-238-6799



Energize Denver: Under-Resourced Buildings Proposed Services – Putting the human touch in building decarbonization

Meeting with Property Owners and Managers

Oct 27, 2022

Agenda

 Welcome & URB framework Recap

 Proposed Services & Discussion

 Energy Provider: Utility Rebates

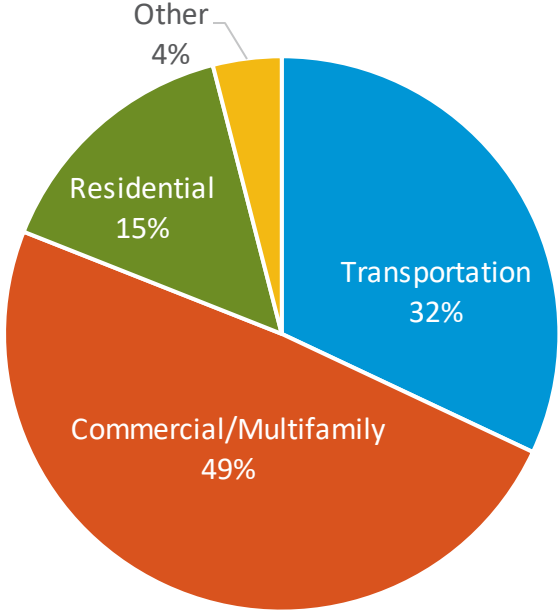
 Questions

 Next Steps in Energize Denver

 Opportunities & Closure

Commercial and Multifamily Buildings are 49% of Denver's GHG Emissions

No DPS schools or State/Federal Government Buildings!



- > 25,000 ft²:
- 82% of sq. footage
 - 3,000 buildings



- < 25,000 ft²:
- 18% of sq. footage
 - 14,000 buildings

Based on Equity

Goal: Create equitable implementation of the Energize Denver policy to achieve performance targets in commercial and multifamily buildings by 2030



Not everyone needs/wants an apple: Targeted Universalism



Equality



Equity

Focus Areas



MAP UNDER RESOURCED
BUILDINGS (URB)



CO-CREATE SERVICES
WITH URB COMMUNITY



TECHNICAL ASSISTANCE
AND INCENTIVES

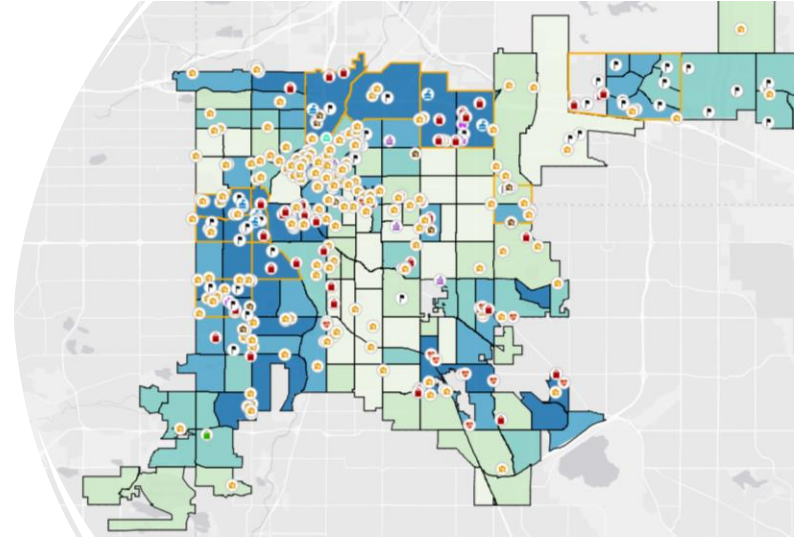
Who are Under-Resourced Facilities?



Under-Resourced Buildings

Identifying under-resourced buildings:

- Market rate located in **NEST** neighborhoods with a high prioritization ranking on the URB equity index
- Buildings with **affordable housing** units
- Buildings with **human service** providers as tenants/owners
- Buildings of **significance** to community members with a high prioritization ranking on the URB equity index
- Buildings located in a Census tract **below the Denver median income** and/or with a high prioritization ranking on the URB equity index, serving **frontline communities**
- Buildings located in a high prioritization ranking on the URB equity index with affordable rents

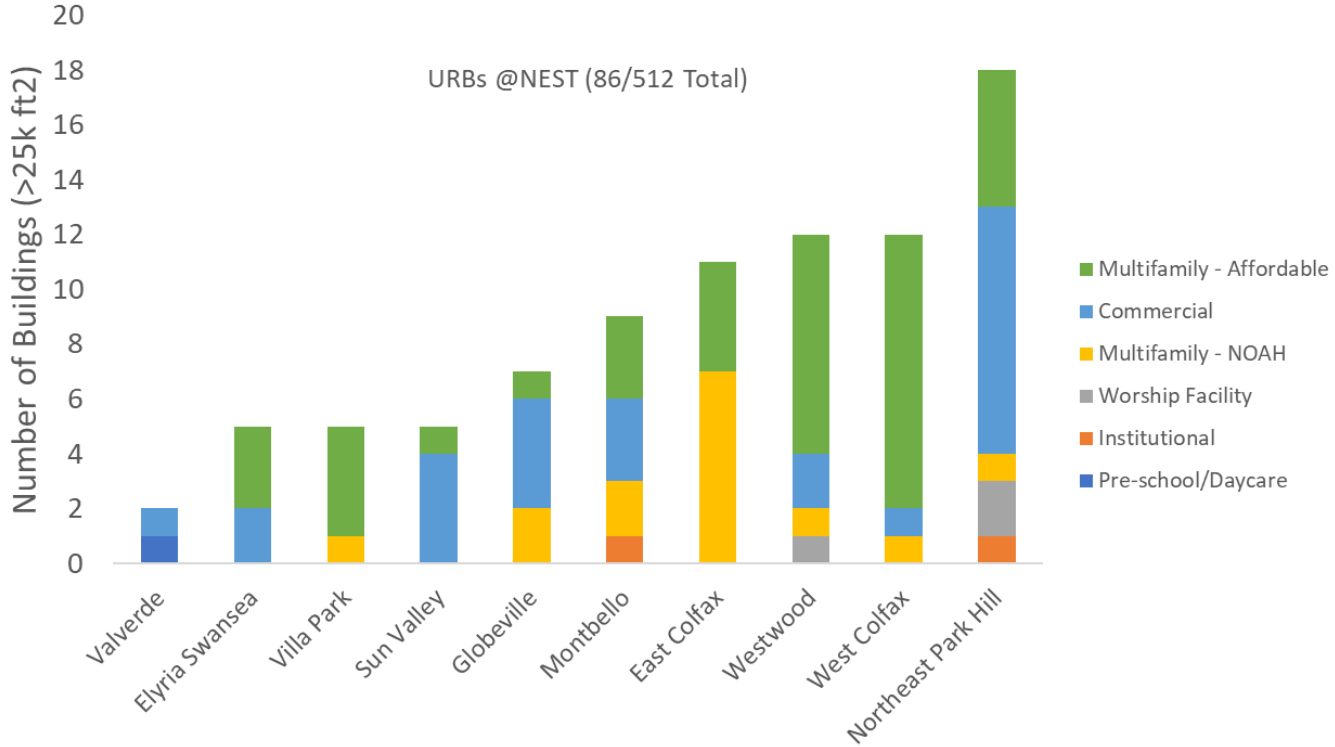


Social Equity Index: identifies and highlights environmental and socioeconomic indicators (utility burden, income stress, heat island, asthma rates, redlining, racial composition, etc.)

Identified Under-Resourced Buildings

Met Target?	Pending revisions in Current Benchmarking	In Compliance	Not Submitted	
Yes	8	57		
No	28	306		
NEVER Benchmarked			113	
Totals	36	363	113	512

URBs Identified in Priority Neighborhoods



Decision Process: Community is a Co-Designer



Outreach

Identify

Community Engagement

Design

- Who they are
- Where they are

- Community
- Building Owners
- Key Partners

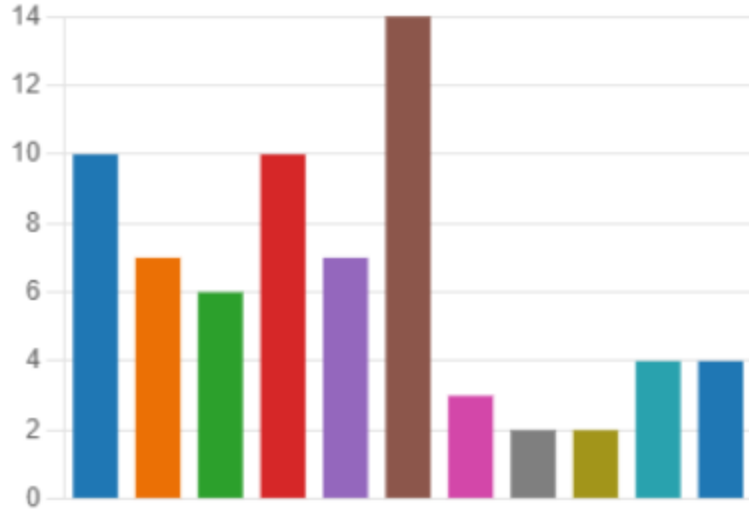
- Services
- Incentives



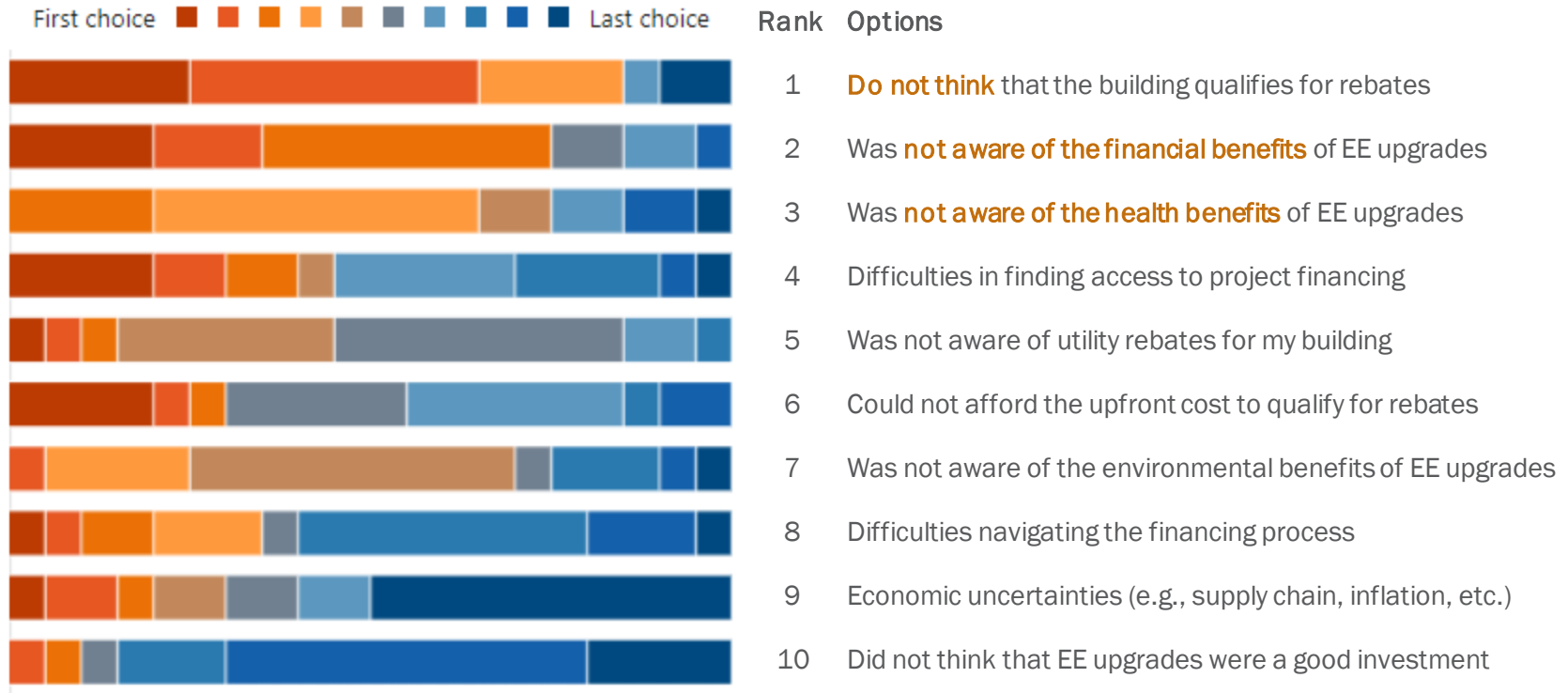


URB Activity	Details	Audience
Community Connections	<ul style="list-style-type: none"> • Montbello (2) • Westwood (2) • East CoalFax(1) 	<ul style="list-style-type: none"> • Buildings tenants • Partner with the PUC • Small biz tenants
Listening Sessions with ED URBs	<ul style="list-style-type: none"> • Virtual – June • Virtual – Oct 	<ul style="list-style-type: none"> • Gather feedback on ED and buildings needs • Proposed services based on input
One – one Conversations	<ul style="list-style-type: none"> • Sun Valley (3) • Westwood (3) • GIS (2) • Nonprofits (2) • West Coalfax (1) 	<ul style="list-style-type: none"> • Property owners • Property managers (Affordable + Market Rate) • Nonprofits
Pilots	<ul style="list-style-type: none"> • Electrification (3) (e.g., Clinica Tepeyac) • Solar (3) • Steam program (2) • New buildings (1) 	<ul style="list-style-type: none"> • Property owners • Property managers (Affordable + Market Rate) • Nonprofits
Tabling Events	<ul style="list-style-type: none"> • Montbello (2) • Sun Valley (2) • Westwood (1) 	<ul style="list-style-type: none"> • Community members

Has your property made any energy efficiency changes and/or upgrades?



If your building has not made energy efficiency upgrades, why not?



Which services are the most important in supporting you to meet the building performance ordinance?

■ Not Important ■ Slightly Important ■ Moderately Important ■ Important ■ Very Important

Assistance in reporting your buildings energy data



In-person or virtual FREE energy assessment of your building



Assistance with developing an action plan to retrofit, including lifecycle cost analysis



Assistance in navigating the process of applying for available incentives and resources



Information on available rebates and incentives



Assistance in applying for financial funding



Understanding electrification possibilities for your building and the technologies available



Help with upfront cost



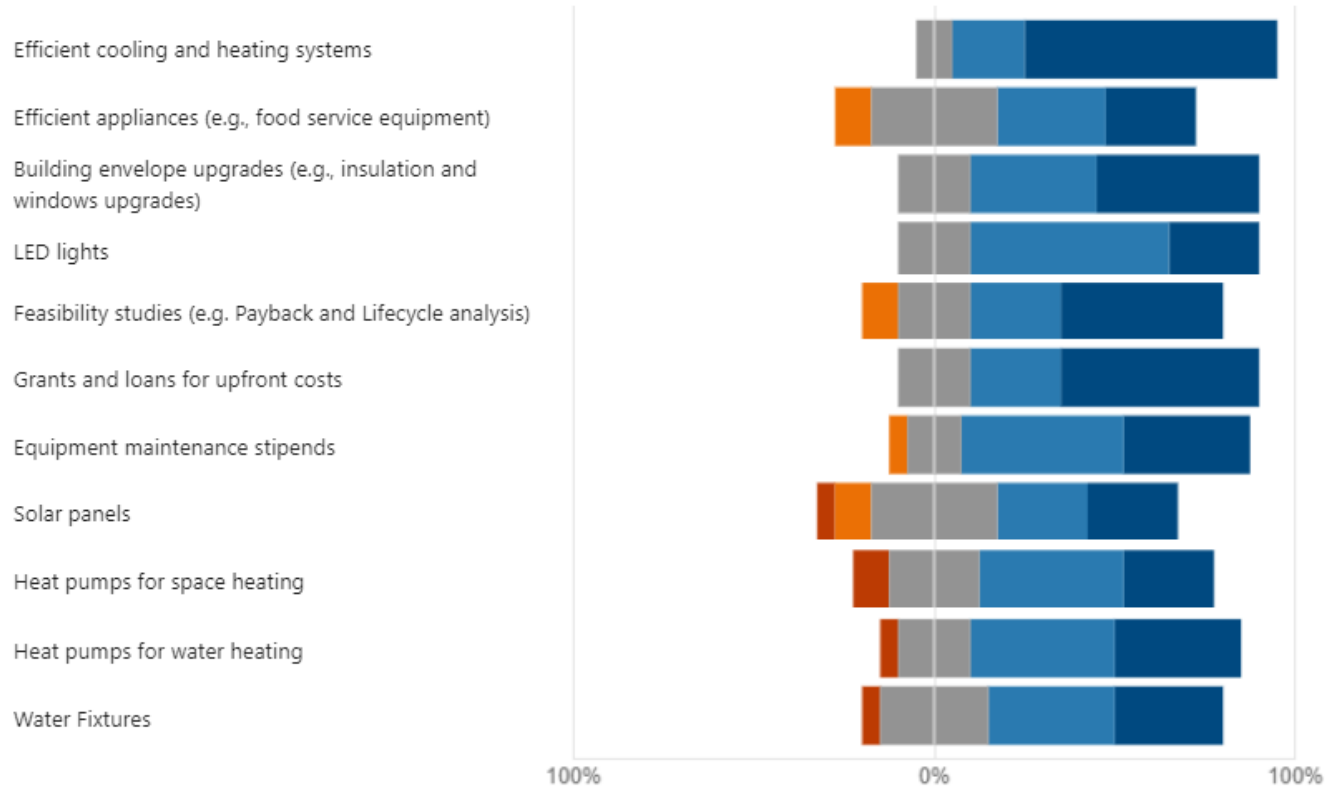
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Which incentives are the most important in supporting you to meet the building performance ordinance?

■ Not Important
 ■ Slightly Important
 ■ Moderately Important
 ■ Important
 ■ Very Important



What would help you overcome the barriers or build on the resources you already have?

- Language with our tenants, and outreach from the community
- Incentives and knowing what funding/grants are available, e.g., to non-profits
- More knowledge about the steam to electric conversion
- It would be helpful to see an outlined ROI for each property
- Information on improvements on aging buildings
- Rebates or other incentives, plus technical assistance to determine the upgrade options so that we can make sound decisions
- Grant money to support window retrofit, on-site solar, and electrification of natural gas equipment

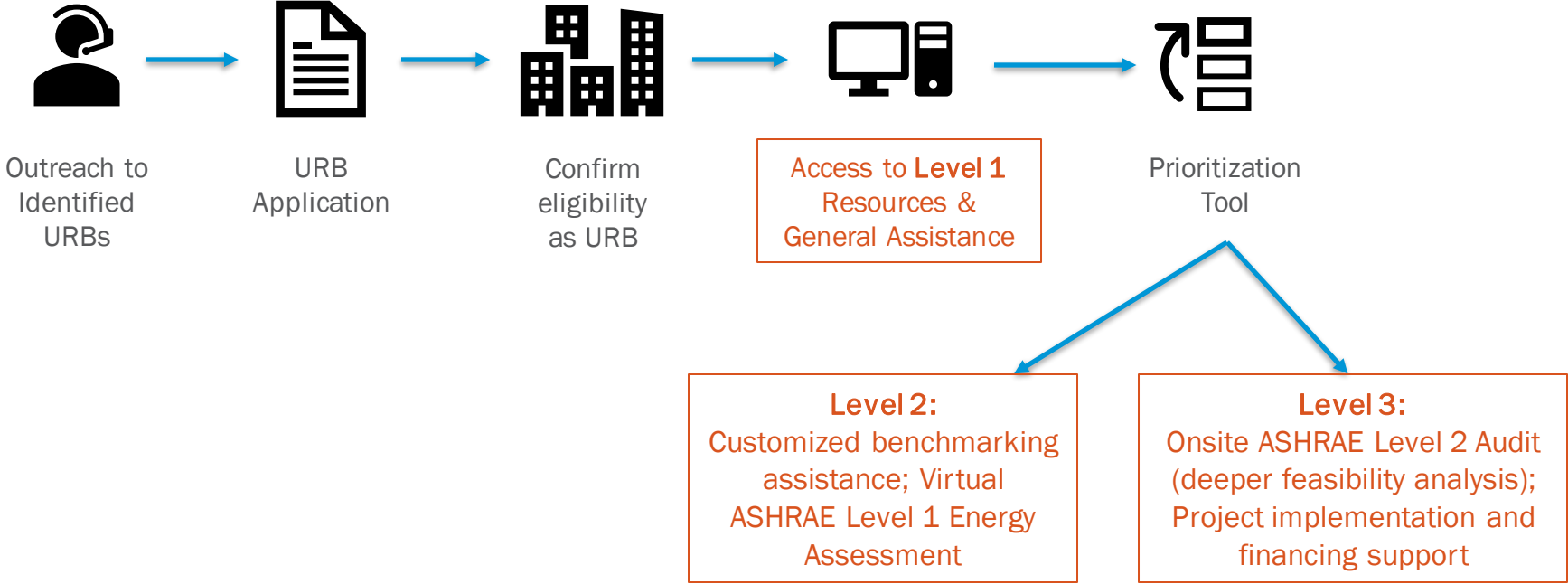
What concerns do you have about your organization's ability to reach the performance target?

- Limited time and staff bandwidth
- Cost to homeowners who are low to mid income
- It is too fast. All of us will be competing for resources and products at the same time which will drive up the cost for everyone for materials and labor. Not the best approach- it should be phased
- Do management companies know that they must comply? I'm concerned that our management company won't comply/submit compliance records.
- We have a long way to go to achieve this goal
- Owner buy in, financing, and the age of our building making it more difficult
- Timing of getting it all to happen before deadlines and then getting a fine, creating another financial burden.
- I believe Housing Authorities are motivated and have the capability to reach the performance target if they have sufficient financing

Proposed Services

Draft

URB Process at Glance



Collecting Information

- Confirming correct contact information
- Collecting additional specifics about the building
- Verifying assumed Social Equity Index factors

Results in Prioritization Score to determine eligibility for additional assistance levels



Under-Resourced Buildings Application for Additional Services

This application is for under-resourced buildings that would like to apply for additional support to meet Energize Denver Performance Requirements. Your application will be reviewed by City staff to determine if the building is eligible for additional assistance.

You will be contacted if we need additional information and notified by email of your application status following its review. If you have questions regarding your application status, reach out to the Energize Denver Resource Hub by phone at (844)-536-4528 or by email at energizedenver@denvergov.org.

I. Contact Information

First Name *

Last Name *

Phone Number *

Email Address *

Relationship to Building *

Company Name *

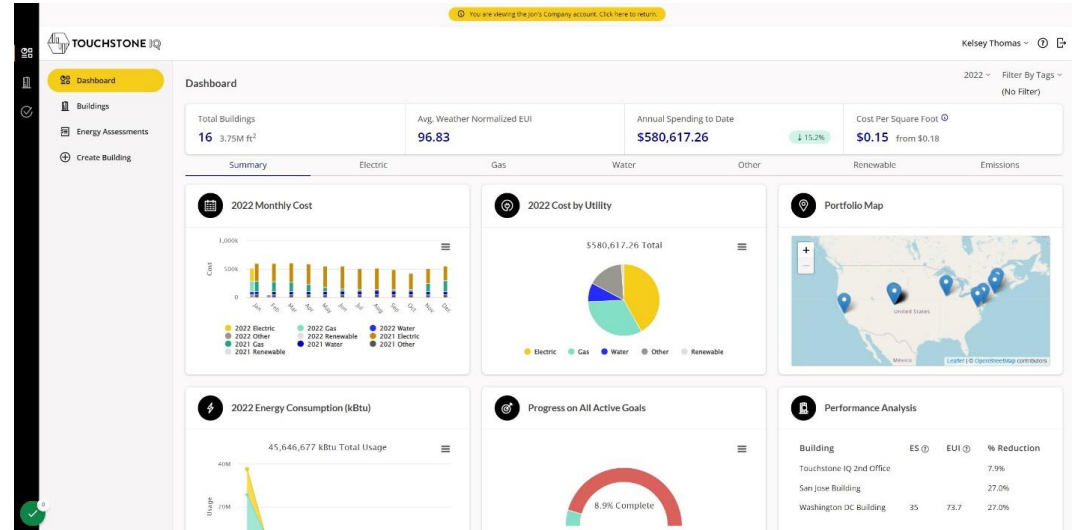
Prioritization for Levels 2 & 3

Checklist based on research, partner input, Social Equity Indexes, and additional parameters

Criteria	Score Range	Total Possible Score
Diverse Ethnicity/Race, Woman, Veteran, or Disabled building-owned	10 for one; 20 for two+, 0 for no	20
Building have tenants serving frontline communities	10 for yes, 0 for no	10
Building with a low equity index and Census Tract Below Denver Median Income	10 for one; 20 for two+, 0 for no	20
Building is affordable housing	10 for yes, 0 for no	10
Building owner/tenant is restricted income provider	10 for yes, 0 for no	10
Building is located Nest neighborhoods	10 for yes, 0 for no	10
Building is important to community members	10 for yes, 0 for no	10
Building located in former Redlining areas and high vulnerability to displacement	10 for one; 20 for two, 0 for no	20
Building located in food insecurity area	10 for yes, 0 for no	10
Building located in energy burden area	10 for yes, 0 for no	10
		130

Level 1 – All URBs

- Website with centralized resources
- Help Desk outreach to each identified URBs
- Provide info about requirements and services available
- Assistance with URB Eligibility Application
- General assistance with benchmarking
- Access to building portal



Centralized Resources

Newsletter and
webinars quarterly!

Education and Learning

- Energy efficiency tips for tenants
- Case studies by building types

Partners Rebates and Assistance

- Xcel Energy
- Energy Outreach Colorado
- Colorado Low-income Energy Assistance Program (LEAP)
- HVAC/Solar suppliers and contractors

Financial Incentives

- C-PACE & Colorado Climate Energy Fund
- Minority Business Office
- Colorado Enterprise Fund
- Inflation Reduction Act

Rental Licenses

- Tips to Tenants

Property Taxes

Permits

- HVAC & Mechanical

Water

- Assessments
- Data linked to portal
- Resource Central

CASR Incentives

- Electrification pilots
- Solar Rooftop for nonprofits
- New buildings & Major retrofits
- Steam-run buildings
- Healthy Homes & CARES

Building Portal

- Building features
- Key performance indicators from benchmarking data
- Energy assessment by equipment

Projects

[Create Project](#)

△	Subject	Status ↑	Type	Estimated Savings	End Date	Building	Goal	Actions
	Install VFD Compressors	• Complete	Electric	\$0.00	05/24/2022	Cool City Test Building (112 S Farm to Market Rd 113)	N/A	Edit
	Install Hardware and Implement Economizing Strategy	• Complete	Electric	\$0.00	05/24/2022	Cool City Test Building (112 S Farm to Market Rd 113)	Kwh Reduction Goal	Edit
	Building Benchmarking Ordinance Requirement for City of Cool Cool City Building Benchmarking	• Complete	Government Ordinance	\$0.00	06/01/2022	Cool City Test Building (112 S Farm to Market Rd 113)	N/A	Edit
	Perform a Retro-Commissioning (RCx) Study	• New	Electric, Gas	\$8,282.00	05/24/2022	Cool City Test Building (112 S Farm to Market Rd 113)	N/A	Edit
	Replace Aged HVAC Equipment with New HVAC Equipment	• New	Electric, Gas	\$2,727.00	05/24/2022	Cool City Test Building (112 S Farm to Market Rd 113)	N/A	Edit

Features

- Virtual or in Person ASHRAE Level I Energy Assessment
- Track high-level list of energy efficiency projects
- Summary table with potential energy savings, cost savings and upfront costs
- Efficiency goal and tracking

Energy Assessment Results
Multi-Family Apartment (2401 E Colfax Ave)
Using 2021 Utility Data

Download Report (PDF) View Building Edit Answers

HVAC

Recommendation	Electric Savings	Gas Savings	Cost Savings	Installation Cost	Simple Payback (Years)	Actions
Install Programmable Thermostats	21,321 kWh	4,144 therms	\$5,843.08	\$5,843.08	1	Create Project
> Details	56,854 kWh	11,250 therms	\$15,581.55	\$46,744.65	3	
Perform an ASHRAE Level II Energy Audit	75,288 kWh	3,214 therms	\$9,802.58	\$9,802.58	1	Create Project
> Details	150,577 kWh	6,428 therms	\$19,605.17	\$98,025.84	5	
Replace Aged HVAC Equipment with New HVAC Equipment	3,032 kWh	589 therms	\$831.02	\$8,310.16	10	View Project
> Details	4,548 kWh	884 therms	\$1,246.52	\$37,395.72	30	
Category Totals	99,642 kWh	7,947 therms	\$16,475.68	\$23,955.82	10	
	211,981 kWh	18,362 therms	\$34,433.24	\$182,764.21	30	

Appliances

Recommendation	Electric Savings	Gas Savings	Cost Savings	Installation Cost	Simple Payback (Years)	Actions
Replace Standard Appliances with ENERGY STAR® Certified Appliances	50,849 kWh	N/A	\$3,559.45	\$53,391.81	15	View Project
> Details	101,699 kWh		\$7,118.91	\$355,945.40	50	
Category Totals	50,849 kWh	N/A	\$3,559.45	\$53,391.81	15	
	101,699 kWh		\$7,118.91	\$355,945.40	50	

Lighting

Recommendation	Electric Savings	Gas Savings	Cost Savings	Installation Cost	Simple Payback (Years)	Actions
Install Occupancy-based Lighting Controls	45,408 kWh	N/A	\$3,178.56	\$4,357.12	2	Create Project
> Details	174,649 kWh		\$12,225.23	\$122,252.27	10	
Replace Existing T8 Lighting with LED Lighting	5,239 kWh	N/A	\$366.76	\$1,700.27	3	Create Project
> Details	65,492 kWh		\$4,584.48	\$48,766.90	15	

Level 2 – Benchmarking & Assessment

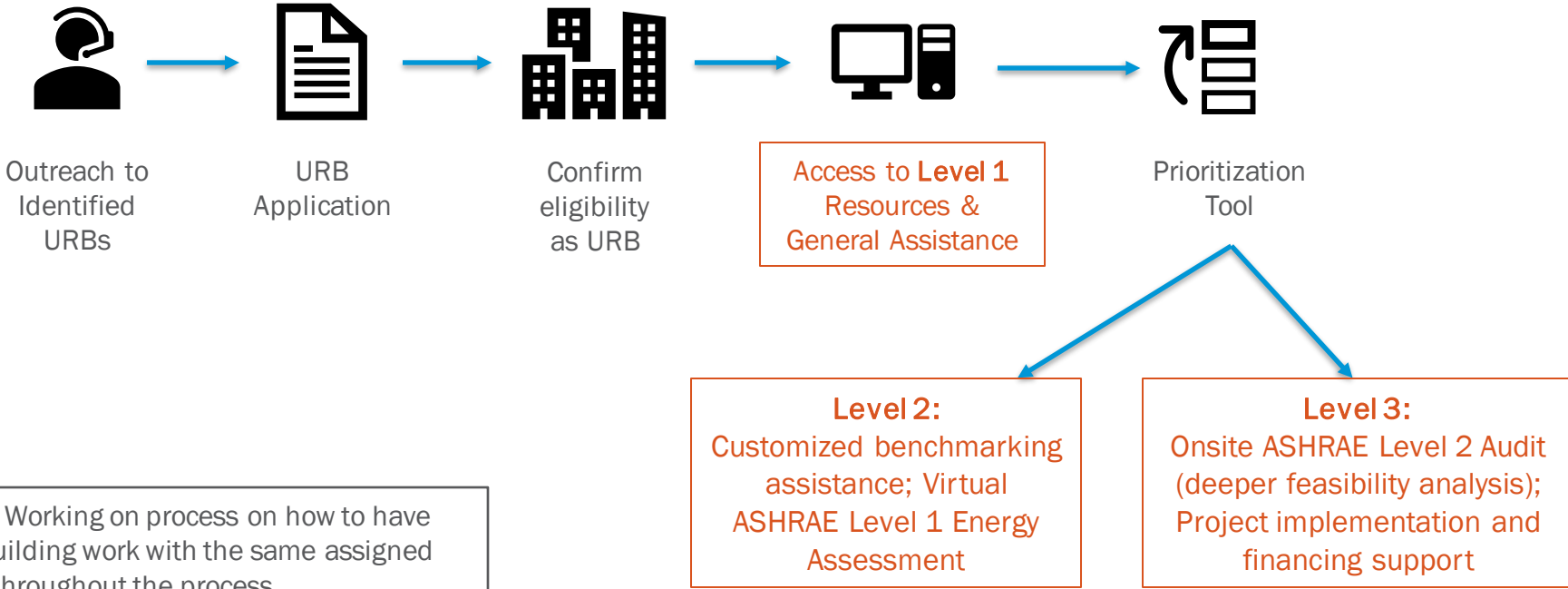
- Level 1 services *and*:
- Extensive assistance in completing benchmarking requirement
- Third-party data verification for Benchmarking
- Virtual ASHRAE Level 1 Energy Assessment (through portal)
- Review and assist with:
 - Options for compliance with EUI targets
 - Possible target adjustments
 - Alternate compliance applications

Level 3 – Onsite ASHRAE Level 2 Audit

- Level 1 & 2 Services *and*:
- Paired with an engineering firm to:
 - Conduct an advanced on-site ASHRAE Level 2 Energy Audit
 - Provide energy retrofit recommendation analysis
 - Assist with draft scopes of work for retrofit plans and bids
 - Assist in the review of vendor bids and financial resources available

Feedback

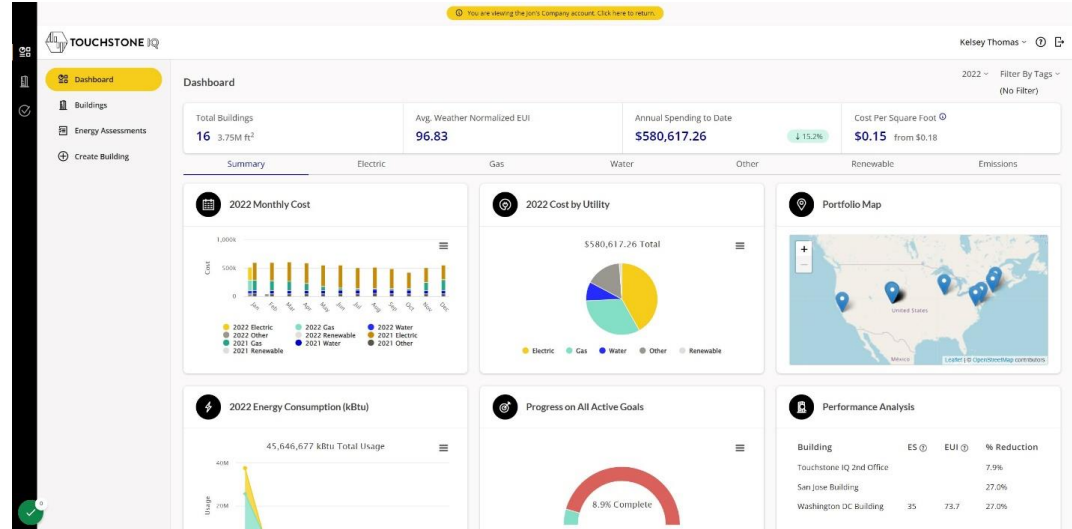
URB Process at Glance



Note: Working on process on how to have the building work with the same assigned staff throughout the process

Level 1 – All URBs

- Website with centralized resources
- Help Desk outreach to each identified URBs
- Provide info about requirements and services available
- Assistance with URB Eligibility Application
- General assistance with benchmarking
- Access to building portal



Poll

Level 2 – Benchmarking & Assessment

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Poll

Level 3 – Onsite ASHRAE Level 2 Audit

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Poll

Questions & Discussion

Upcoming Electrification Incentives

- CASR is creating incentives for multifamily and commercial bldgs. for the electrification of space and water heating equipment starting in 2023.
- To inform incentive design, the City is searching for multifamily and commercial buildings with the need to replace hot water and space heating equipment in the next few years.
- If you know your system is nearing its end of useful life and would like more information on participating in the **pilot program**, please fill out this [form](#).



Timeline

Benchmarking & Performance

October-November

Updated rulemaking notice and public hearing to adopt rules

December

Outreach and education with updated website and Technical Guidance launched; Benchmarking citations for 2021 issued

January

Re-issue 2030 targets to all buildings; Launch forms and applications and under-resourced buildings assistance

Building Code

Next Few Months

Adoption of 2022 Building Code by Council

Adoption Date Determines Timing

New code requirements and permit process changes take effect

Electrification Incentives

October-January

Recruiting for electrification pilots

October-December

First round of pilots start; focus on URBs

November-April

Contractor outreach and stakeholder engagement

February-April

Stakeholder outreach for equitable incentives design

Next Steps

Input Feedback from Listening Sessions into Final Services

Build Resources on Website and framework for Newsletter

Prepare the infrastructure for launching services in January 2023



Closure

Current Building Programs

1. **FREE** energy assessments:

- Buildings up to 50,000 ft² – contact [@Meghan Robinson](#)
- Market Rate Multifamily – contact @ [Kevin Hooley](#)
- Nonprofits with 501c3 designation – contact @ [Ann Cruz](#)
- Small buildings (5,000 to 25,000 ft²) – contact [@Meghan Robinson](#)
- Industrial and manufacturing – contact [@Corina Sedillo](#)

2. **FREE** Energy Efficiency Opportunities for your **building and tenants**

- [Low-Income Multifamily and Nonprofit –Xcel Energy](#)
- [Affordable housing Multifamily, Energy Outreach Colorado](#) – contact [@Maxwell Kaye](#)
- FREE LED lights upgrades and direct installs for eligible entities – contact [@Meghan Robinson](#)
- FREE Direct installs for multifamily - contact [@ Kevin Hooley](#)

Building Incentives/ Rebates

1. [Apply to CASR electrification pilots](#) for existing buildings @Jeff Tejral
2. [Steam to Electric Conversion Incentive Program](#) – contact @Jan Keleher
3. CASR [Solar Roof Top for Human Service Providers](#) (up to 100% funding) – contact @Lee Valenzuela
4. CASR [Incentives for NEW Buildings](#) – contact @Tom Gleason
5. [Xcel custom Rebates](#) – Custom rebate programs are available for energy-saving equipment purchases that aren't covered under utility's prescriptive programs

Search Tools to find Rebates:

- [Love Electric](#)
- [Utility Genius](#)
- [Xcel summary](#)

Info for your tenants:

- [Efficiency Tips](#)
- [Time of Use Tariff Webinar](#) Recording
- Newsletter and webinars ...coming soon



Get help with utility bills and weatherization

- [Colorado weatherization and low-income energy programs](#)
- [Energy Outreach Colorado](#)
- [Low-income Energy Assistance Program \(LEAP\)](#)

A flyer for a webinar titled "INTRODUciendo LA NUEVA TARIFA RESIDENCIAL". The flyer is blue and white with a photo of two women. It includes the date "LUNES, 24 OCTUBRE 2022" and the time "START AT 04 PM - 5:30 PM". There is a QR code and logos for Xcel Energy, POR, zoom, and Denver. The text describes the webinar's focus on understanding energy bills and weatherization.

INTRODUciendo LA NUEVA TARIFA RESIDENCIAL

LUNES, 24 OCTUBRE 2022 | START AT 04 PM - 5:30 PM

DESCRIPCION:
La cuenta de la luz no solo depende de la cantidad de energía que usa sino también del momento en que la usa. Este webinar en línea le ayudará a comprender mejor cómo funcionan los medidores inteligentes y la nueva tarifa con los horarios recomendados para el uso de electricidad. ¡No se lo pierda, ya que esto le permitirá ahorrar en su cuenta de la luz!

Xcel Energy | POR | zoom | MARIA GONZALEZ FOUNDER & CEO | BERENICE GARCIA EQUITY ADMINISTRATOR | ADELANTE | DENVER

Energize Denver Summit, Dec 1

- [In-person registration](#)
- Virtual registration: <https://lnkd.in/gc6qZHji>



Questions & Discussion

“... Institutions have the responsibility to change the world, but they need individuals to get there...”

QUESTIONS
WANT TO LEARN MORE
WANT TO GET INVOLVED



Contact Information



Berenice Garcia Tellez | Energize Denver Bilingual
Equity Administrator



Email: Berenice.garciatellez@denvergov.org



Phone: (720) 865-2651

Thank you!