

Welcome

Community Power Coalition Symposium 2026

November 13, 2026

Opening Remarks

Community Power Coalition Symposium 2026



Jamie Tuckey

MCE

Chief Customer Officer

Turning Legislation into Megawatts

Community Power Coalition Symposium 2026



Tyla Brown
MCE

Senior Partnership
Development Manager



Vincent Wiraatmadja
MCE

Senior Legislative Manager



Turning Legislation Into Megawatts

November 13, 2026
Community Power Coalition Symposium

Federal – H.R. 5862 (Thompson)

American Energy Independence and Affordability Act

- Restores Inflation Reduction Act tax credits
- Measure itself is unlikely to be signed but it does provide insights into Democrats' climate and clean energy priorities.

MCE's 2026 Priority Issues - California

Policy Lenses- What Do We Watch For?

- Affordability/rates
- CCA autonomy
- Level playing field between CCAs and IOUs
- Community impacts
- Decarbonization
- Programs

MCE Legislative Engagement

- **AB 1684 (Ward)-** Cooling systems in common interest developments - **Support**

- **AB 1761 (Rogers)-** PCIA data transparency (CalCCA-sponsored) – **Support**

- **AB 2111 (Papan)-** Transmission planning - **Support**

MCE Legislative Engagement

- **AB 2313 (Berman)-** Building electrification incentives- **Support**
- **SB 1138 (Padilla)-** RA hourly transactability- **Support**
- **SB 1281 (Becker)-** Vehicle-grid integration- **Support**

Policy Highlight: Energy Efficiency

Protecting funding for energy efficiency

- AB 2508 (Hoover)- removal of funding source for EE-

  Opposed

- Ongoing education effort

- Oversight hearing provided educational opportunity

Other Hot Topics This Session

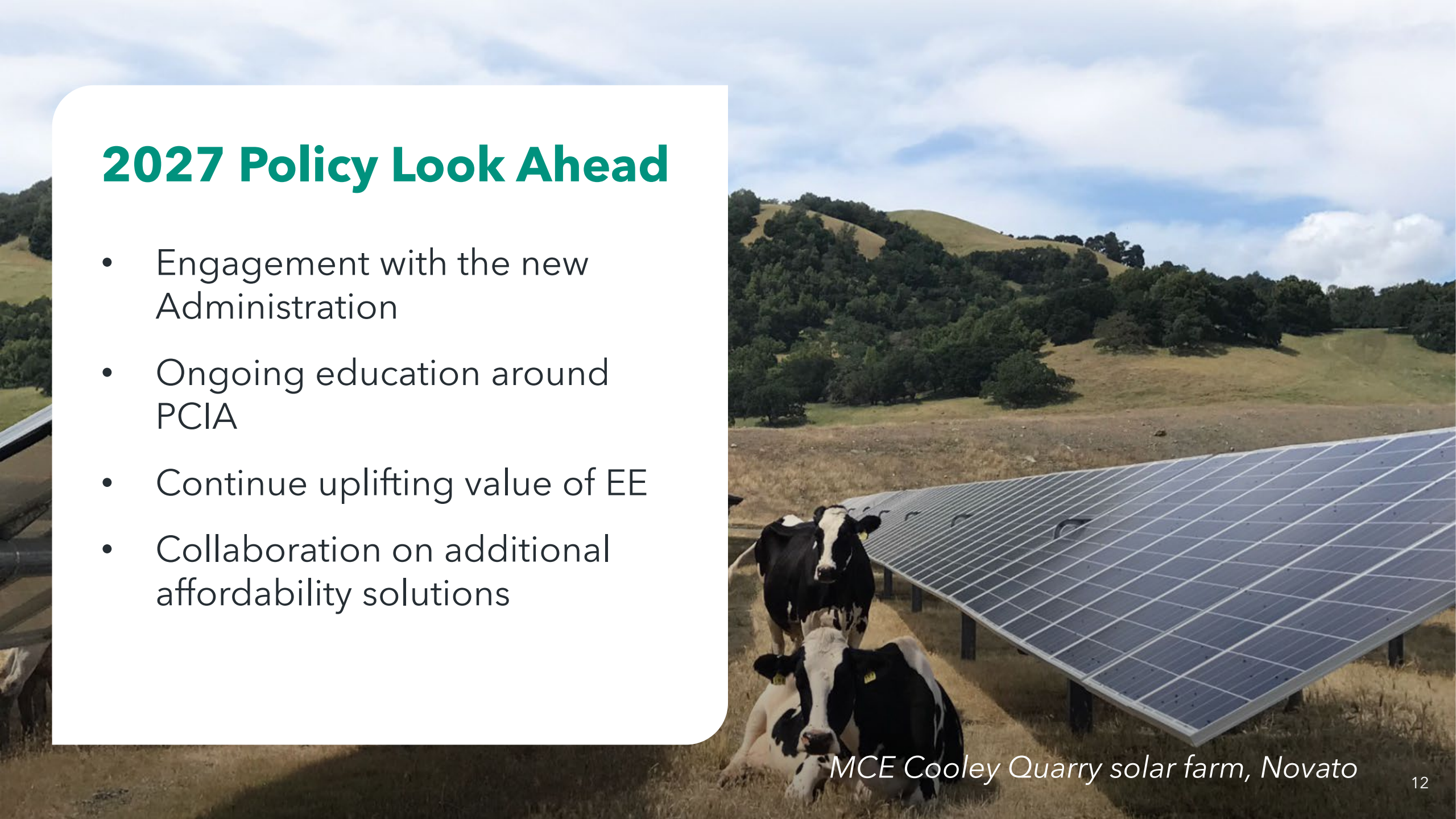
- Wildfire utility liability (held over)
- Data center permitting
- AI safety
- State budget

2026 Elections

- Governor Becerra
  - New staff and agency appointments
- MCE delegation changes
  - New Senator
  - New Assemblymember
- New Senate Energy Committee chair next session

2027 Policy Look Ahead

- Engagement with the new Administration
- Ongoing education around PCIA
- Continue uplifting value of EE
- Collaboration on additional affordability solutions



MCE Cooley Quarry solar farm, Novato



Thank You

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Customer-Sited Solar and Storage: The Power Couple Driving Local Resiliency

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Principal Community Development Manager



Grace Ledwith

Town of Tiburon

Climate Action Sustainability Coordinator



Sol Phua

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Customer Programs Specialist II



Stephanie Penera

MCE

Senior Customer Programs Manager

From Awareness to Action: The Role of Intentional Community Engagement in our Clean Energy Transition

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Kiara Donato

MCE

Community Development Manager



Omaira Baptista

UpValley Family Centers



Jesse Guiterez

County of Napa



Ryan Melendez

County of Napa



Aurora Guillen

Puertas Abiertas Community Resource Center

Driving Equity: EV Charging, Infrastructure, and Financial Literacy

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Melanie Biesecker

MCE

Senior Customer Programs Manager



Damian Alarcon

Travis Credit Union

AVP of Government Relations and Social Impact



Aaron Burnett

Canal Alliance

Director of Policy and Civic Engagement



Taylor Sieben

GRID Alternatives

Senior Program Manager, Clean Mobility

Case Studies in Electrification: The Real-World Impact

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Clarissa Kusel

Resource Innovations

Program Manager



Case Studies in Electrification:

The Real World Impact

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Electrification improves health, safety, comfort, and long-term costs

Heating and Cooling

- Three times more energy efficient
- Improved air quality
- No gas – lower emissions
- One system

Water Heating

- 75% less energy
- No gas
- Insulation keeps water hot when not in use

Solar + Storage

- Energy bill savings
- Clean energy when needed most
- Increased grid reliability for everyone

Electric Clothes Dryers

- 50% less energy
- No exhaust ventilation required – no gas
- Gentle on laundry
- Potentially lower bills

Induction Cooking

- Increases safety for pets and children
- Improves indoor air quality

Support Measures

- Enable electrification measures installation
- Optimize electrical systems

Case Studies in Electrification: The Real-World Impact

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Senior Business Development Manager



Brandon Ewert

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Customer Programs Specialist II



Michelle Nochisaki

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Principal Customer Programs Manager



Grace Peralta

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Principal Customer Programs Manager



Clarissa Kusel

Resource Innovations

Program Manager

Get Residential Projects off the Ground

How to make permitting quick, easy, and effective.











Study Overview

MCE commissioned a study from Cadmus in Fall 2025 to examine **permitting practices** across MCE's service area to identify inefficiencies and opportunities to streamline the permitting process.

The goals for this study was to:

- Reduce barriers to residential electrification
- Strengthen collaboration with municipalities
- Improve contractor engagement



Study Methodology



Literature Review

42

Sources

12 comparable research studies

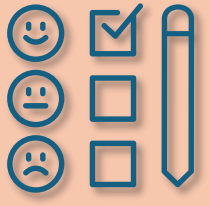


Cost and Timeline Data

36

Permitting Authorities/ Authority Having Jurisdictions (AHJs)

Reviewed city websites, fee schedules, and direct communication



Contractor Survey

44

Contractors Surveyed

44 partial responses
34 complete responses



Contractor Interviews

6

Interviews

Conducted with contractors in MCE's service area



Key Findings

Four Categories of Barriers



1. Structural Variation Across Jurisdictions

- ✓ Wide variation across 38 communities
- ✓ Pinole, Contra Costa, Martinez lead
- ✓ Inconsistent interpretation
- ✓ AHJs open to coordinated guidance



2. Administrative Processes and Digital Infrastructure

- ✓ Admin friction exceeds code friction
- ✓ No shared permitting portal
- ✓ Multiple portals raise error rates
- ✓ Long applications, high fees persist



3. Application Quality and Contractor Capacity

- ✓ Incomplete applications drive most delays
- ✓ Knowledge gaps cause preventable errors
- ✓ Training inconsistent across jurisdictions
- ✓ No single point of contact



4. Agency Capacity and High-Impact Policy Barriers

- ✓ Staffing drives review timing
- ✓ Scheduling windows raise contractor costs
- ✓ Noise, setback rules applied inconsistently
- ✓ High fees compound the burden

Permit Costs and Timelines across MCE's Jurisdiction

Technology	Scenario	Min Cost	Max Cost	Avg Min	Avg Max
HPWH	No electrical permit	$30	$500	$164	$500
	With electrical permit	$136	$517	$331	$477
HP HVAC	No electrical permit	$96	$500	$193	$304
	With electrical permit	$136	$517	$363	$477

0–20 days

Expected timeline range for HPWH permits

7.6 days

Bay Area average permit issuance time

5.9 days

California statewide average (TECH Clean)

~30%

of MCE jurisdictions offer over-the-counter permitting

Proven Models from MCE's Service Area

Several jurisdictions in MCE's service area have built efficient, contractor-friendly processes—and their approaches can be replicated.

Pinole	Express permits ● online forms ● same-day issuance ● minimal documentation required
Contra Costa County	Fast approval ● consistent requirements across permit types
Martinez	Walk-in guidance ● responsive staff ● simple process
Alameda County	Efficient, comprehensive decarbonization permitting structure

Key pattern: Fast jurisdictions rely on **clear guidance**, **digital intake**, and **responsive communication** — not necessarily sophisticated software.



Study Recommendations

Short to Medium-Term Recommendations



Improve Guidance, Training, and Coordination

- Host AHJ roundtables.
- Standardized checklists, permitting FAQs.
- Contractor training on permit application requirements.



Promote Best Practices and Peer Learning

- Share examples of streamlined jurisdictions
- Support online and express permit adoption
- Provide guidance documents and FAQs



Advance Regional Standardization

- Develop standardized permitting requirements, templates, and checklists for electrification technologies across the MCE service area



Coordinate Regionally

- Coordinate with other CCAs and regional institutions to ensure that permit studies and streamlining initiatives are complementary, not siloed

Long-Term Recommendations

Bay Area-wide or statewide electrification permitting portal



Recommended Lead: CPUC, CEC

Model a permitting portal on SolarAPP+ for solar permits, provided as a shared platform to reduce duplicate effort across jurisdictions.

Consistent noise and setback requirements



Recommended Lead: MCE, CCAs, CEC

Advocate with local permitting authorities to reduce design revisions and installation delays caused by inconsistent applications.

Permitting as ongoing performance management



Recommended Lead: AHJs

Encourage municipalities to incorporate contractor feedback and track progress over time, instead of treating improvement as a one-time event.

CCAs as collaborative regional leaders



Recommended Lead: CCAs

Strengthen engagement with municipalities through coordinated outreach, workshops, and technical assistance on electrification permitting

Thank you!

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Beyond Installation:

Bringing Innovative Induction Cooking to Affordable Housing











Emerson Arms: A Community Electrification Project

Martinez, California

Owner: Eden Housing

Project Upgrades

- Ductless mini-split heat pumps for heating and cooling
- Central heat pump water heater
- Electric dryers
- 32 battery-equipped induction ranges



32
Apartments

Built in
1973

Making Electrification Possible Through Partnerships

MCE	EDEN HOUSING	ASSOCIATION FOR ENERGY AFFORDABILITY INC.	CalMTA	COPPER
Program administrator	Affordable housing property owner	Technical assistance, program implementation & project coordination	Induction field study and resident researching organization	Battery-equipped induction technology provider



Induction Cooking: higher-performance cooking experience

- Precise and immediate heating
- More efficient, nearly all energy generated is transferred to the cooking vessel
- Safer: it eliminates the need for an open flame or exposed heating elements
- Improved indoor air quality

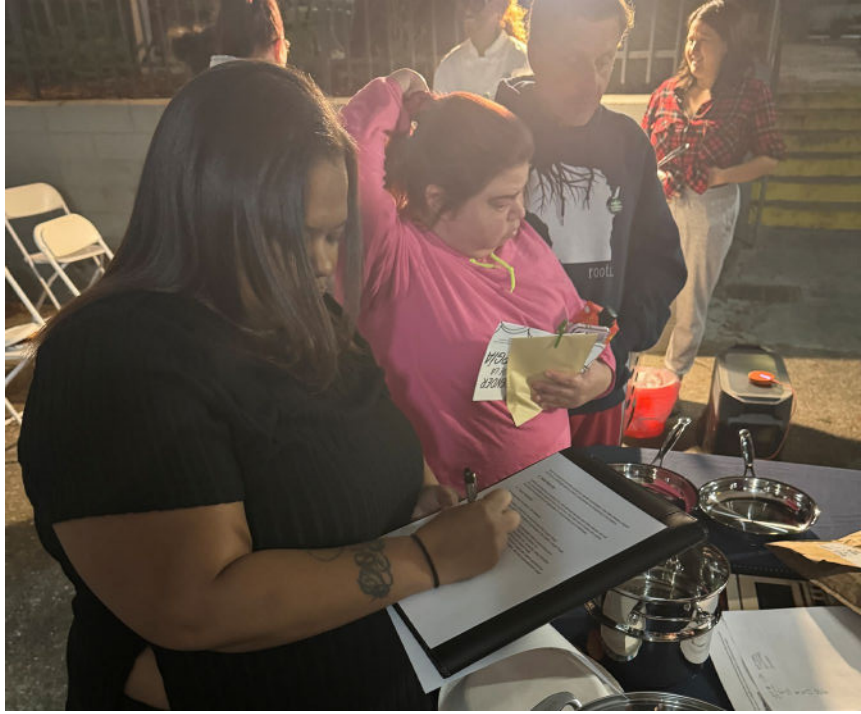
Charlie by Copper

- 120 V plug-in installation
- Integrated 5 kWh battery
- Backup cooking capability

Engaging Residents Beyond Installation

- Hosted on-site community event to introduce the new induction stoves
- Live cooking demonstration and food tasting.
- Provided induction-compatible cookware to help residents use the new ranges.
- Supported CalMTA's recruitment of residents for the induction field study.









CalMTA



CalMTA is a program of the California Public Utilities Commission and is administered by Resource Innovations.

Why this research matters

- **How do we electrify cooking without making it unaffordable?**



Aging electrical systems



High retrofit costs



Tenant disruption



Equity concerns

Vision of a transformed market



- MF property management firms and building owners increasingly include 120V products as they upgrade their buildings
- Market share of 120V induction products grows (both battery and non-battery equipped)
- Average price of induction ranges and cooktops decline
- Consumers utilize induction 120V battery-equipped products for increased energy benefits
- Efficient electric cooking products are the norm when purchasing a cooktop or range in CA

Emerson Arms Study Findings



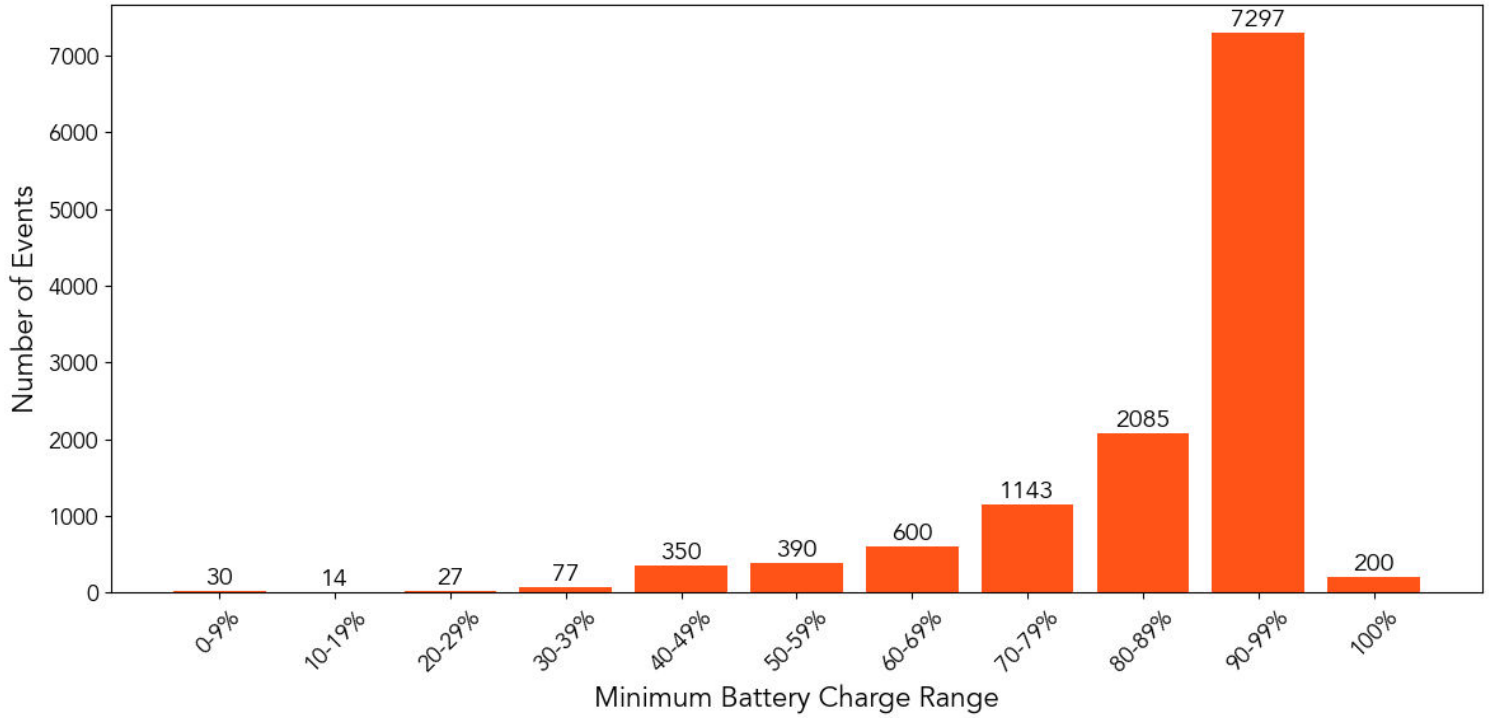
Research questions



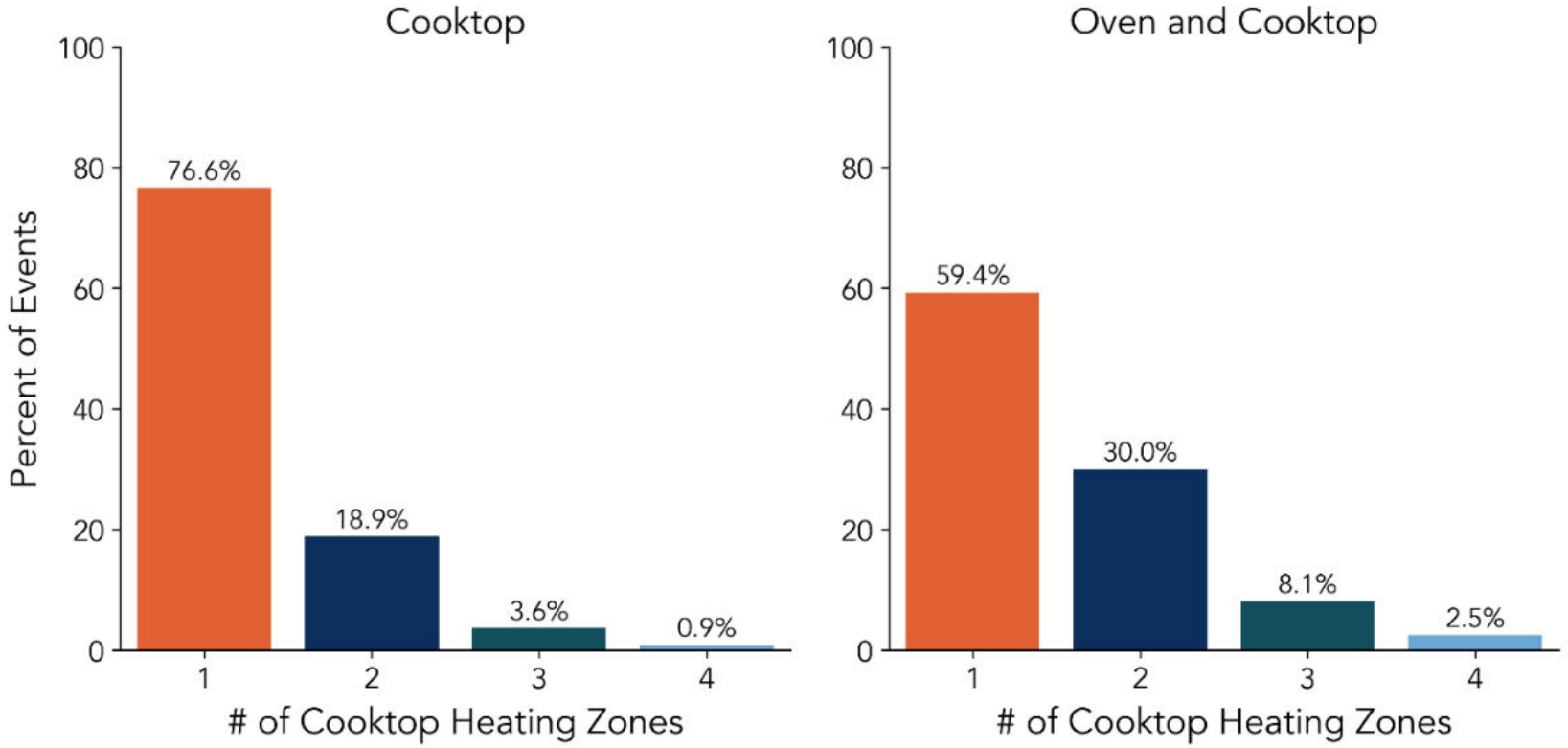
1. **Can battery-equipped induction ranges meet cooking demands in multifamily housing?**
2. **What design insights emerge for manufacturers?**
3. **How does education, engagement, and equity-centered implementation strategies influence adoption?**

Performance results

Observed battery utilization confirms 5 kWh capacity is conservatively sized for residential cooking

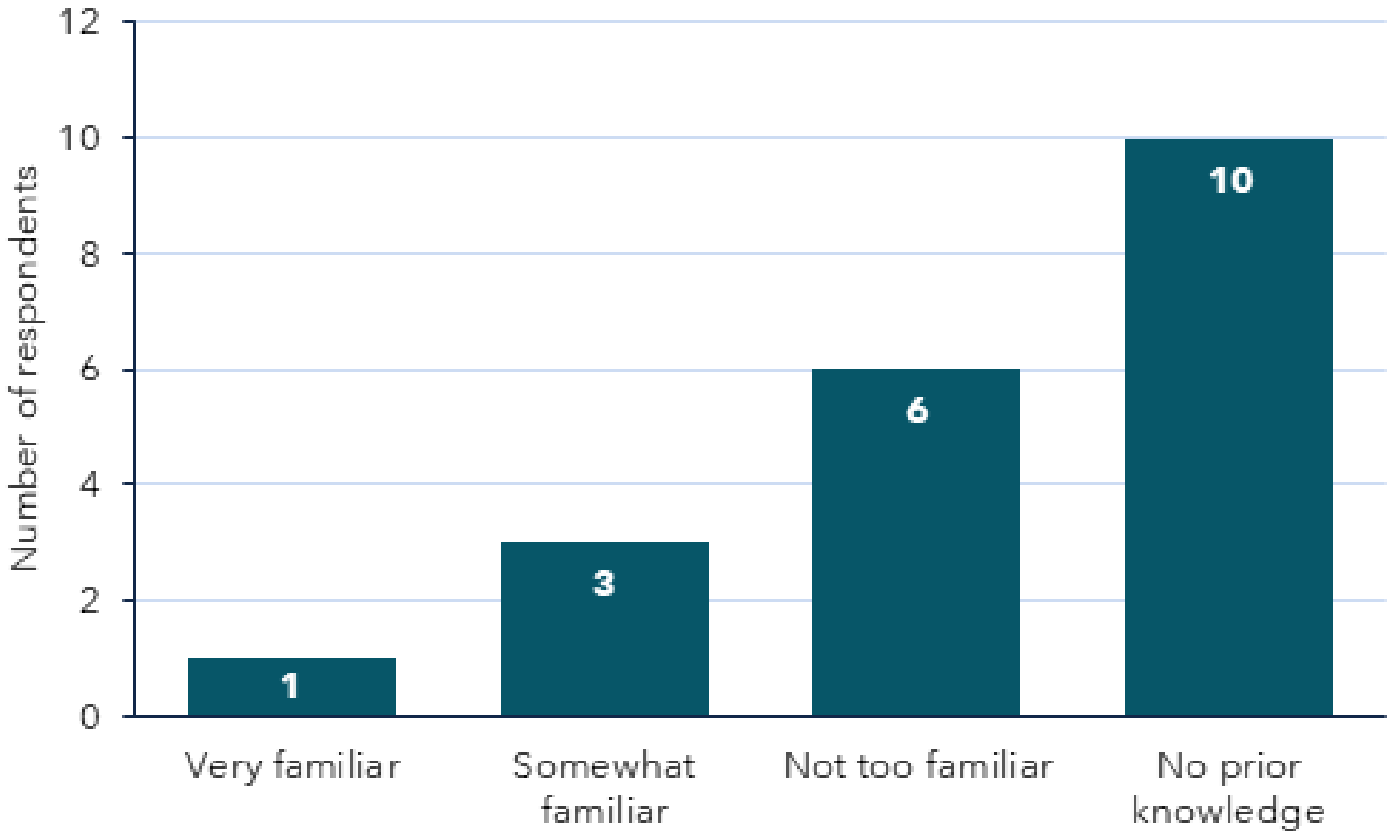


Future research



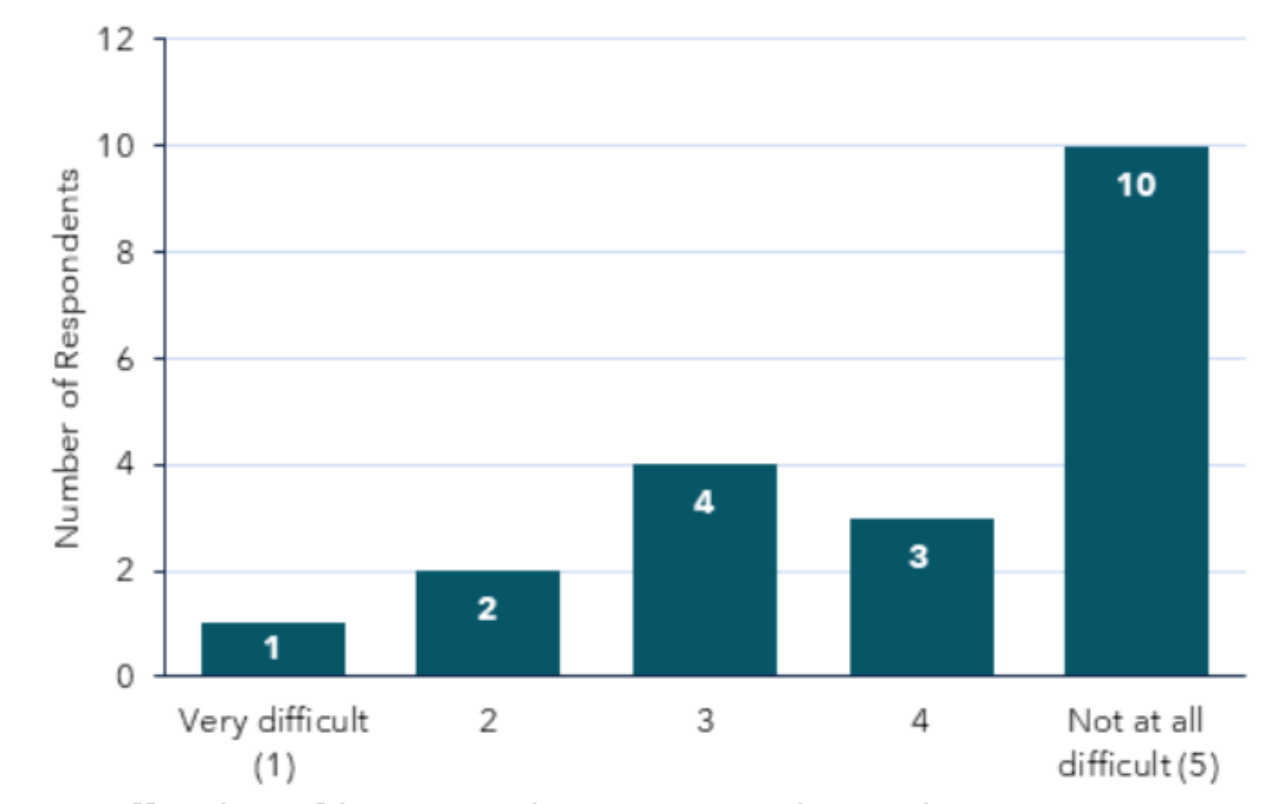
Observed cooking patterns suggest opportunities to optimize future appliance design

Familiarity



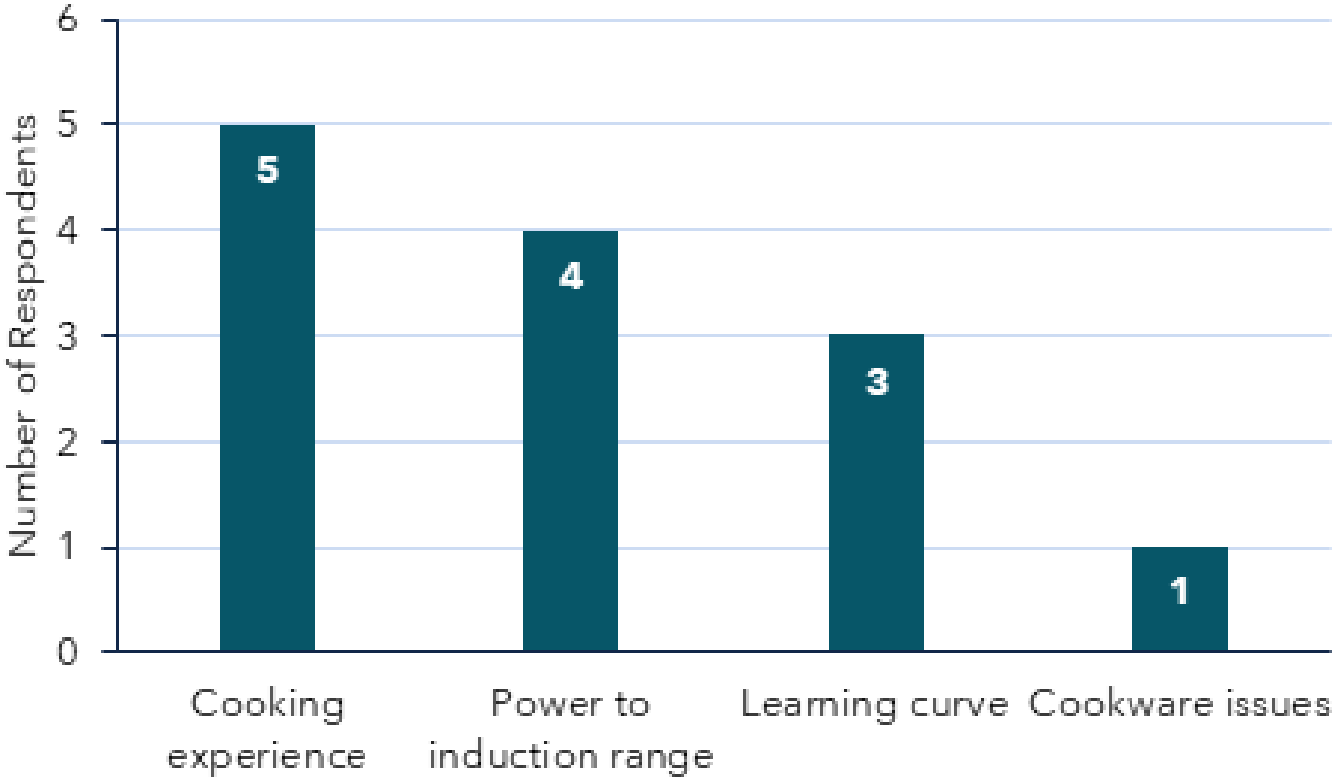
Asked about familiarity using induction before the installation

Difficulty using the induction range



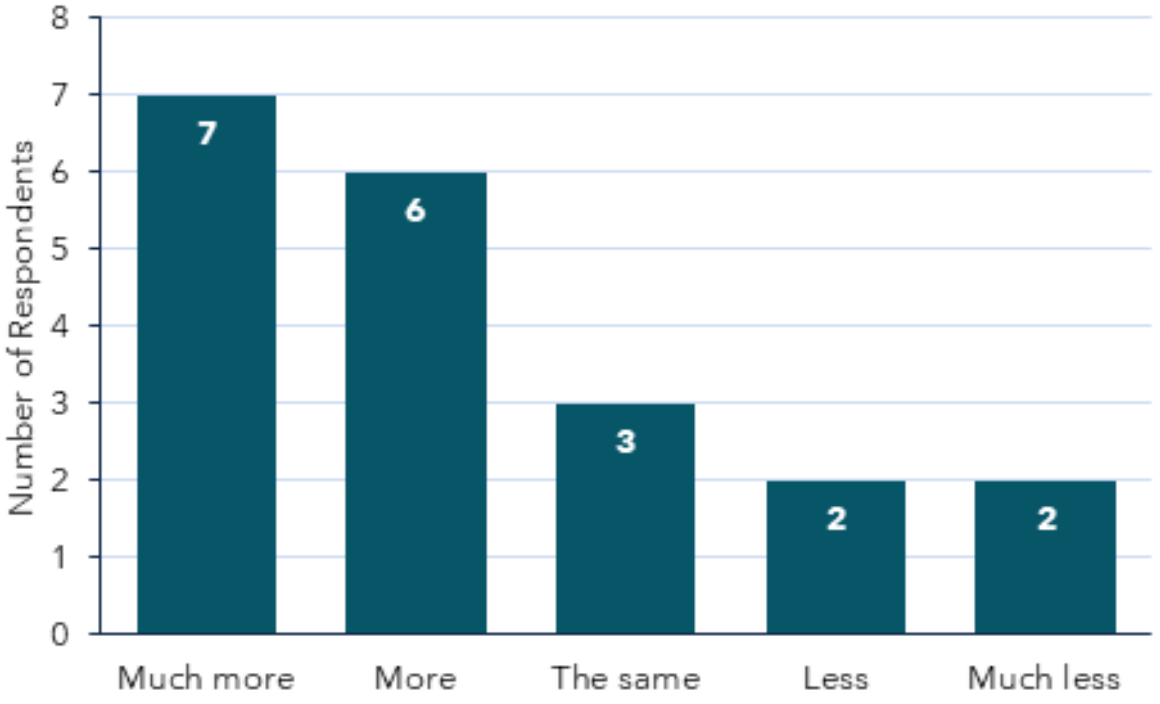
Difficulty of learning how to use the induction range

Challenges



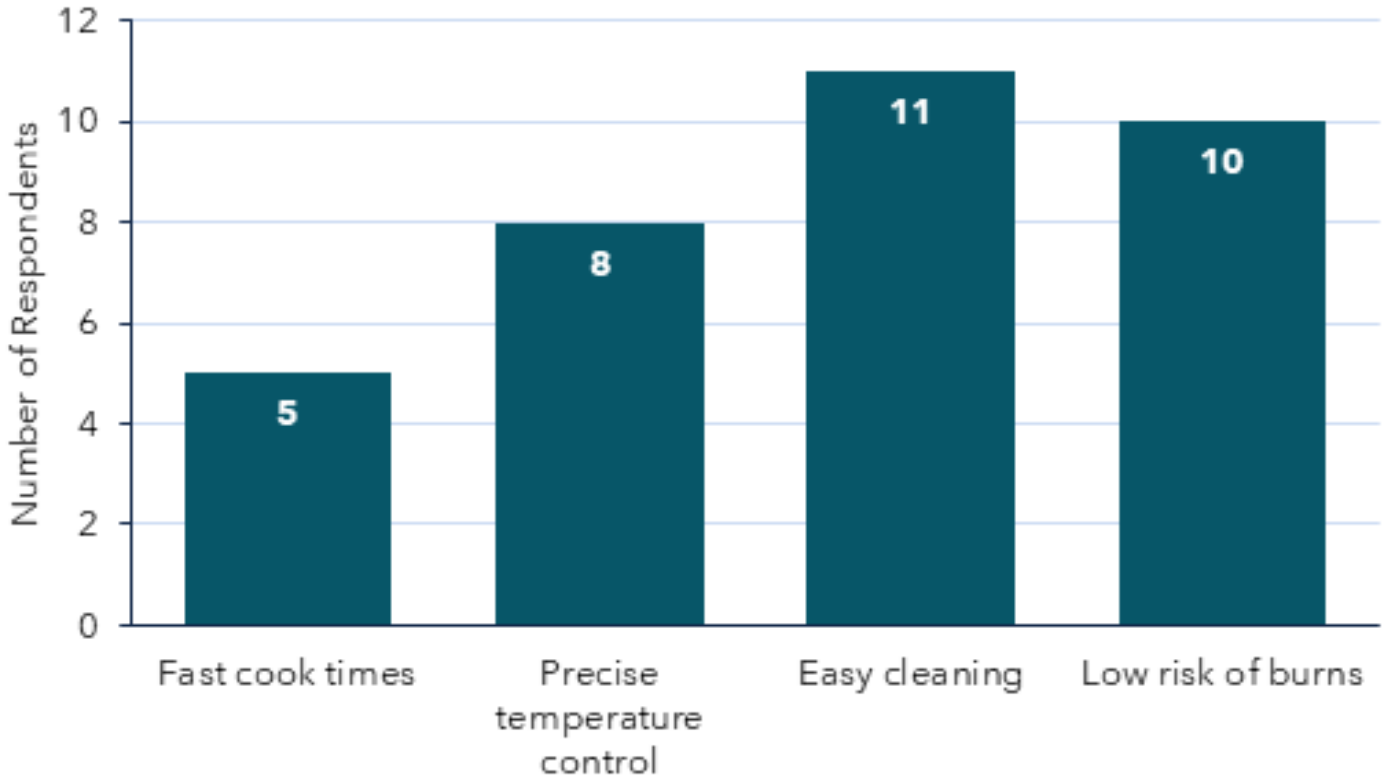
When asked if they experienced any challenges or frustrations

Satisfaction



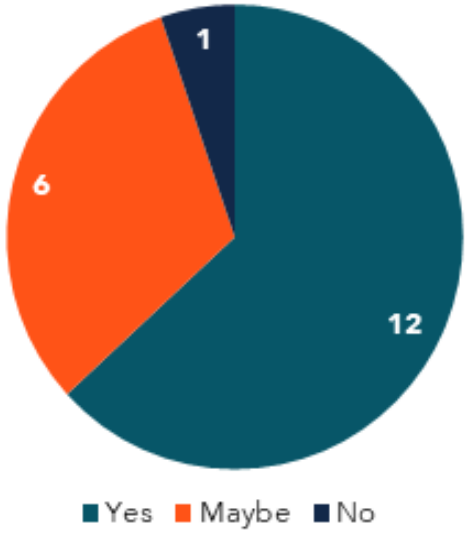
Satisfaction with induction compared to previous range

Most useful features



When asked if they found any features particularly useful

Survey findings



If respondents would recommend an induction range to others



What respondents liked most about the induction range

Key takeaways



- **Battery-equipped induction ranges can be a scalable solution**
- **Pairing technology deployment with resident education is key**
- **Opportunities to optimize battery capacity and heating zones**
- **No cooking performance issues with the battery-equipped range**

Recommendations



- **Funding available to provide compatible pots & pans**
- **Program timelines and/or warranties that support product replacements**
- **Educational opportunities at program launch and touch-points later to support user knowledge**

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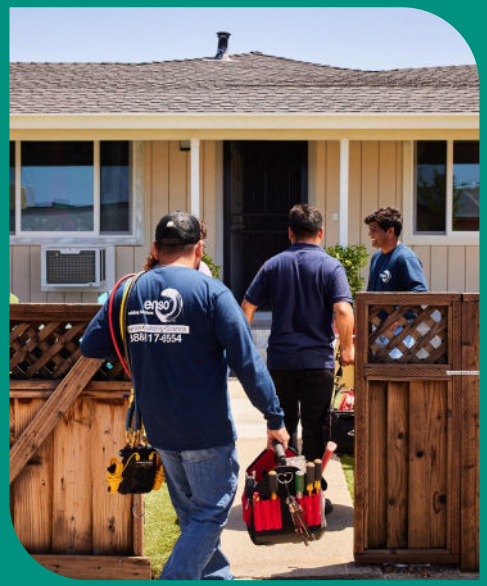
Thank you!

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The Flexible Whole-Home Approach

How to upgrade homes to fit different customer needs.











Home Energy Savings Program

Providing Home Upgrades for Qualified Residents

Program Scope

Single-family program focused on energy home improvements for qualified residents.

No-Cost Services

- No-Cost home assessment
- No-Cost home upgrades

Eligibility

- Home-owner or renter
- At or below 400% Federal Poverty Limit
- Live in MCE Service Area



Eligible Home Upgrades

• Attic Insulation • Duct Sealing • Deeply Buried Ducts

Possibility for:

• Heat Pump Water Heater • Heat Pump HVAC • Induction Stove

Richmond Rising

Providing Home Upgrades for Qualified Richmond Residents

Program Scope

Single-family program focused on energy home improvements for qualified residents in Richmond.

No-cost Services

- No-cost home assessment
- No-cost home upgrades

Eligibility

- Home-owner or renter
- At or below 80% Contra Costa AMI
- Iron Triangle, Coronado, Santa Fe, Atchison Village neighborhoods



Eligible Home Upgrades

- Attic Insulation
- Duct Sealing & Deeply Buried Ducts
- Heat Pump Water Heater
- Heat Pump HVAC
- Induction Stove
- Heat Pump Dryer and/or Efficient Washer
- Home Repairs

Flexible Whole-Home Approach

MCE's Home Energy Savings and Richmond Rising programs guide customers through a whole-home journey that starts with education and adapts to household readiness.

01

Educate

Explain equipment, benefits, and behavior changes.

02

Improve efficiency first

Prioritize insulation, duct sealing, and other load-reduction measures.

03

Electrify strategically

Address major equipment first—heat pump water heating and HVAC—then cooking and laundry as customers are ready.

04

Coordinate clean energy

Encourage solar and battery storage where feasible.

CUSTOMIZE Recommendations should reflect each customer's needs, behaviors, and ability to adapt.

Best Practice: Consider the Customer and the Home

The ideal journey is efficiency first, then electrification—but successful projects consider the customer and the home.

Customer readiness

- Education needs vary by usage, habits, and comfort.
- Some customers need more time or hands-on support to adapt.

Household priorities

- Urgent HVAC or water-heating needs can outweigh the ideal upgrade order.
- Recommendations must respect daily routines and preferences.

Property + installation

- Panel upgrades, knob-and-tube wiring, and other repairs can block progress.
- Funding gaps turn technical issues into schedule risks.

OPPORTUNITY Flexible upgrades, clear education, and funding for repairs.

CASE 1: Ideal Upgrade Order

Customer N.R. · Napa

SCOPE Attic insulation · Heat pump water heater · Ductless mini-split · Induction range

RECOMMENDED SEQUENCE

1	**JUL 2024**	Installed attic insulation.
2	**TWO WEEKS LATER**	Added a ductless mini-split.
3	**DEC 2024**	Installed a heat pump water heater and induction range when funds became available.

PROGRAM INSIGHT

The customer journey worked as designed.

- Home was electrification-ready.
- Efficiency improvements came first.
- Major systems preceded appliances.

CASE 2: Household Preferences

Customer J.G. · Novato

SCOPE Attic insulation · Duct sealing · Heat pump water heater

WHAT HAPPENED

- Heat pump water heater noise and cold-air discharge affected a garage used as an office.
- The household could not adapt despite efforts to address the concerns.
- The unit was functioning as designed, but the program ultimately replaced it with a gas water heater.

PROGRAM INSIGHT

Comfort can outweigh technical performance.

- Set expectations for noise and airflow.
- Screen for room use and sensitivity.
- Plan a clear resolution path.

CASE 3: State of the Building

Customer F.R. · Richmond

SCOPE Duct sealing · Attic insulation · HPWH · Induction range · Main panel upgrade · Solar

PROJECT TIMELINE

OCT 2024	Assessment
Project Paused, Electrification Funding Unavailable	
JAN 2025	Insulation
Funding Reopens, Electrification and Solar Project Resumes	
APR 2025	Panel Upgrade
MAY 2025	Electrification
JUN 2025	Solar

PROGRAM INSIGHT

Enabling work and partner approvals drive the schedule.

- Sequence partner decisions early.
- Secure panel-upgrade funding.
- Build schedule contingency.

CASE 4: Customer Education and Comfort

Customer J.P. · Fairfield

SCOPE Deeply buried ducts · Central system · Smart thermostat · Heat pump water heater

SUPPORT PROVIDED

- The customer struggled to use the original smart thermostat.
- The contractor provided additional training, then replaced it with a model the customer found easier to use.
- While awaiting replacement, the contractor used the app to help maintain comfort at no added program cost.

PROGRAM INSIGHT

Education is part of the installation.

- Match controls to customer comfort.
- Plan for hands-on follow-up.
- Treat usability as a program outcome.

CASE 5: Installation Needs

Customer M.R. · Fairfield

SCOPE Attic insulation · Duct sealing · Heat pump water heater

RAPID RESPONSE

CONNECT A canvasser introduced the program while the household lacked reliable hot water.

QUALIFY The customer enrolled and qualified quickly.

RESTORE Just over one week after assessment, a new 60-gallon heat pump water heater restored service.

PROGRAM INSIGHT

Urgent needs reward a fast, flexible response.

- Prioritize critical household needs.
- Coordinate eligibility and installation.
- Keep the customer journey moving.

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Thank you!

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The Case for Home Electrification: Comfort, Savings, and Clean Air

Community Power Coalition Symposium 2026



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Electrify My Home

VP of Operations



Marisa Hanson-Lopez

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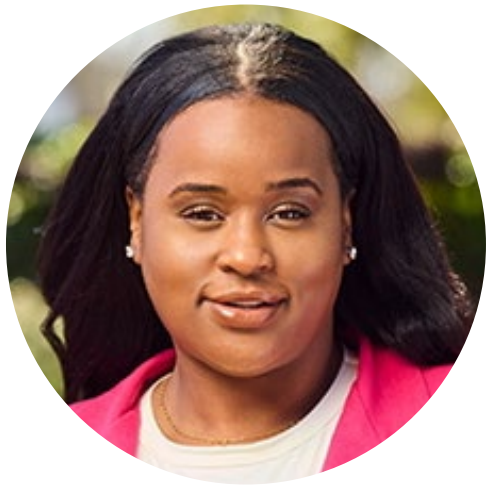
Genevieve Lucas-Conwell

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Director of Programs

The Intersection of Climate and Health

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Joy Massey

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Manager of Transportation Electrification



Marti Roach

East Contra Costa Healthy Homes Collaborative



Liat Meitzenheimer

Fresh Air Vallejo



Dr. Lorene Alio

Fresh Air Vallejo



Trish Heaney

White Pony Express

Marketing and Communications Manager

Local Energy, Local Benefits: What Communities Gain from California's Energy Transition

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Emily Groth

Contra Costa County Department of Conservation and Development

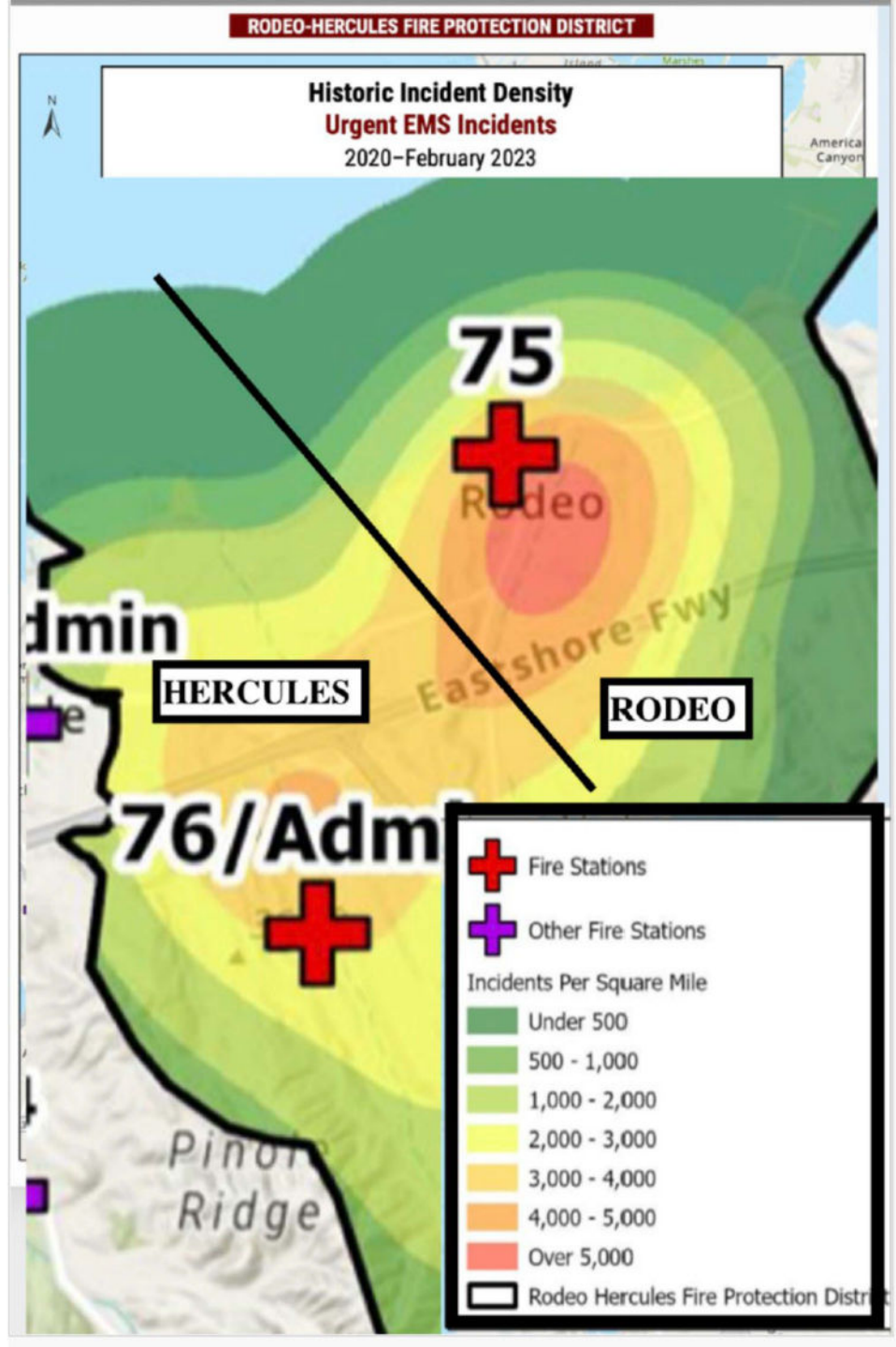
Sustainability Planner



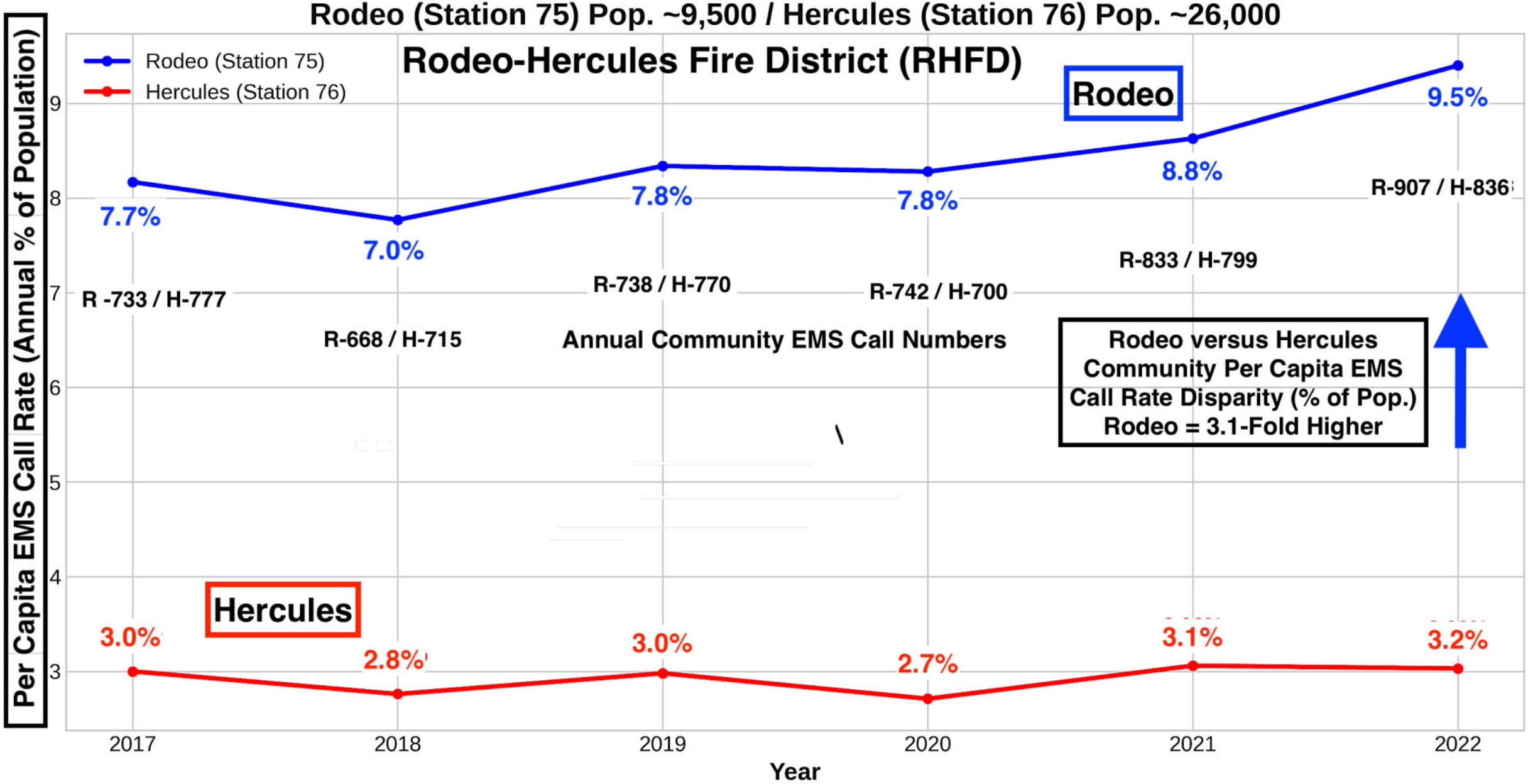
Charlie Davidson

Sunflower Alliance

Community Energy and Resources Engineer


RODEO-HERCULES FIRE PROTECTION DISTRICT
Historic Incident Density
Urgent EMS Incidents
2020–February 2023
75
Rodeo
HERCULES
RODEO
Eastshore Fwy
76/Adm
Ridge
Fire Stations
Other Fire Stations
Incidents Per Square Mile
Under 500
500 - 1,000
1,000 - 2,000
2,000 - 3,000
3,000 - 4,000
4,000 - 5,000
Over 5,000
Rodeo Hercules Fire Protection Distri

Community-Focused Emergency Medical Call Disparity
Community Per Capita EMS Call Rate with Total Calls (Rodeo vs Hercules, 2017–2022)
Rodeo (Station 75) Pop. ~9,500 / Hercules (Station 76) Pop. ~26,000



Thank you!

Community Power Coalition Symposium 2026



Jenna Tenney

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Director of Communications and Community Engagement

We value your perspective!



Your input helps us improve future events and inform how we can better serve your community.

URL:
https://forms.cloud.microsoft/r/m6z7YcN4jw

(Link to survey in English and Spanish)