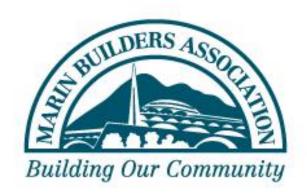


#### Welcome





Brian Reyes, Molly Kron, Sabrina Cardoza, Kellen Dammann, Julie Chew



# Agenda

+



## House Rules





## Activity 1

Roundtable Discussion (15 Minutes)

# Discuss and Share



What did you LEARN OR UNLEARN?

What ONE electrification solution do we need to implement immediately?



What ONE electrification solution needs more time or needs certain things in place before implementing?

### We Agree

The cost of failing to act is great.

The County, Towns, Cities, and constituents have shared interests in climate change



What's so "NATURAL" about "Natural Gas"?!?!

We need to scale up our transition away from gas ASAP

We must do this transition equitably

## Workshop Participants, Your Deliverable

"By October 2023, provide feedback, insight, and suggestions that will shape the countywide building electrification plan/roadmap"

Т

What's in a Typical Electrification Plan?



#### 2023/2024 Plan Development Timeline



#### Community Updates

**9/30 (in-person)** EV and eBike Roadshow Hosted by Drive Clean

10/26 (virtual) Green Home Tours

11/2 - 11/16 (virtual) Public Learning Workshop Series Hosted by County of Marin and Partners

- 11/2 Heat Pump Water Heaters
- 11/7 Solar+Battery Storage
- 11/9 Heat Pump Space Heaters
- 11/14 Electrification Planning
- 11/16 EV 101

#### 11/1 Electrify Marin Rebates re-structured

- Standard Rebate ↓
- Income Qualified (remains)





## Energy and Electrification Equity

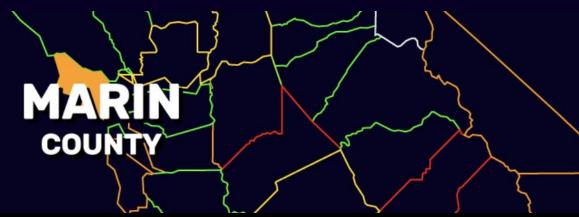
Disadvantaged communities have been historically marginalized and overburdened by pollution, underinvestment in clean energy infrastructure, and lack of access to energy efficient housing and transportation.

## MARIN

MARIN RANKS THE 3RD MOST RACIALLY DISPARATE COUNTY IN CALIFORNIA.

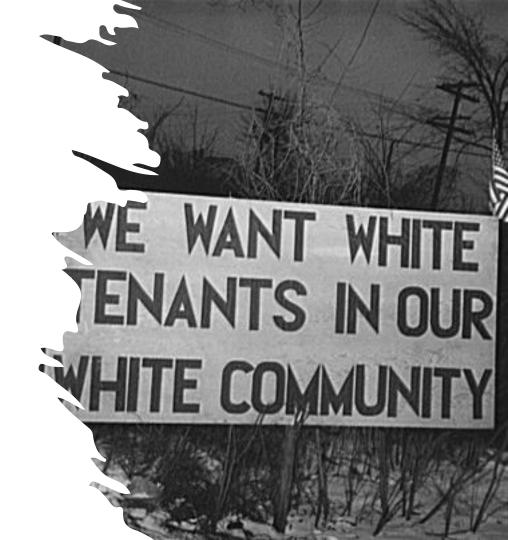
#### RACE COUNTS:

Advancing Opportunities
For All Californians



# History of Racial Segregation

- Government action created segregated communities
- Federal Housing Administration would not insure homes in integrated communities
- Federal government built segregated public housing
- Local policies and zoning promoted segregation
- Protection of "Neighborhood Character"



#### FEDERAL HOUSING ADMINISTRATION UNDERWRITING MANUAL: 1936

#### UNDERWRITING MANUAL

UNDERWRITING AND VALUATION PROCEDURE UNDER TITLE II

OF THE

NATIONAL HOUSING ACT

#### FEDERAL HOUSING ADMINISTRATION



#### Part II 233-235

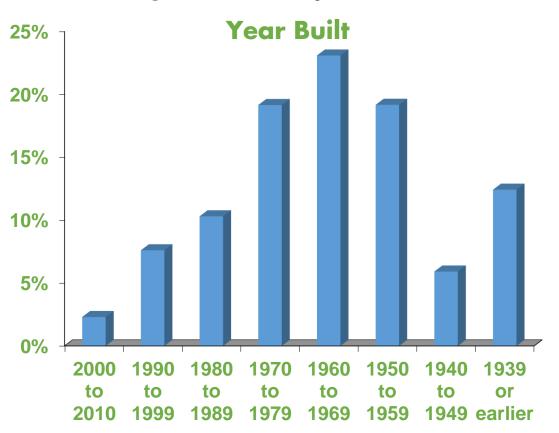
#### UNDERWRITING MANUAL

social groups are present, to the end that an intelligent prediction may be made regarding the possibility or probability of the location being invaded by such groups. If a neighborhood is to retain stability it is necessary that properties shall continue to be occupied by the same social and racial classes. A change in social or racial occupancy generally leads to instability and a reduction in values. The protection offered against adverse changes should be found adequate before a high rating is given to this feature. Once the character of a neighborhood has been established it is usually impossible to induce a higher social class than those already in the neighborhood to purchase and occupy properties in its various locations.

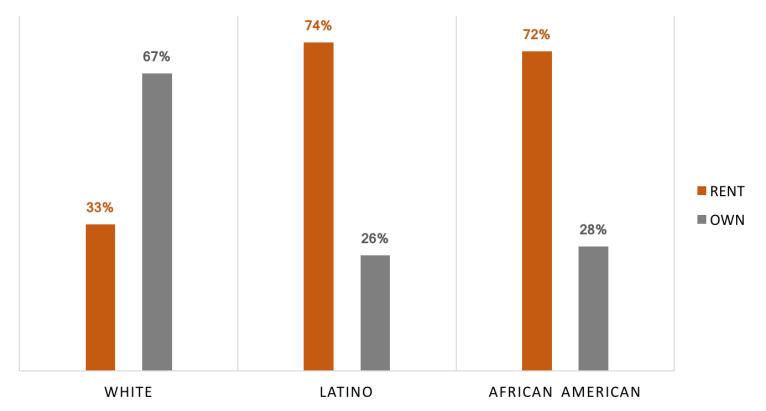
### Local Housing Needs

Limited Rental Housing Options:	17% multi-unit
Growing Aging Population:	22% residents 65+
Limited Vacancy (rent/sale):	57% of vacant units are for seasonal uses
Insufficient Affordable Housing:	Cost-burdened: 20% of households Severely cost-burdened: 17% of households
Overcrowded:	13.4% renter-households 0.9% owner-households
Occupancy of Marin's 100,000 Homes:	65,000 owner occupied 35,000 rented

#### Marin Housing Development Patterns



#### INEQUALITY IN HOUSING THAT PERSISTS TODAY



## State and Federal Requirements to Address Systemic Racism

- State
  - California passed AB 686 (2018) requiring all state and local public agencies to address, combat, and relieve disparities and foster more inclusive communities.
- Federal
  - All jurisdictions in Marin signed a Cooperation Agreement that they SHALL take all actions necessary to assure compliance with:
    - Title I of the Housing and Community Development Act of 1974;
    - Title VI of the Civil Rights Act of 1964;
    - Fair Housing Act of 1968; and
    - Affirmatively Furthering Fair Housing.

#### Energy and Electrification Equity for Marin

- **Broaden engagement** with community-based organizations, minority-serving institutions, and historically underserved communities through targeted requests for information, roundtables, and workshops.
- **Developing equity-focused policies** to prevent displacement, expand access, and improve energy and economic outcomes for communities historically marginalized.
- Expand energy and electrification funding opportunities to underserved households.

•

# Break (5 Minutes)

+



## Activity 2

Deep Dive Roses, Buds, Thorns (57 Minutes)

#### A and B

Read (10 min.)

Discuss and note (10 min)

Swap

#### B and A

Read (10 min.)

Discuss and note (10 min)

#### All

Record (5 min)

Report Out (10 min)



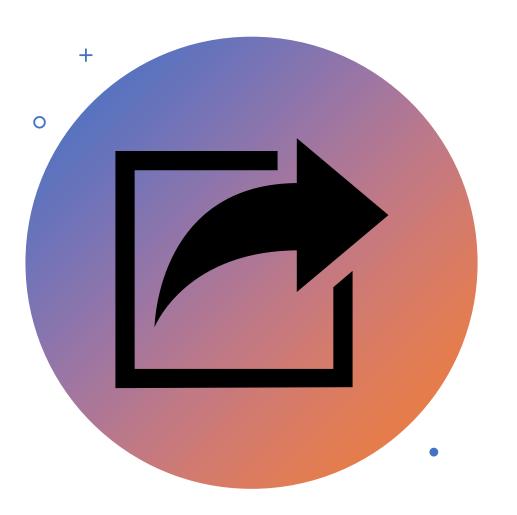
(Roses) What key strategies or elements do we want in Marin's plan?



(Thorns) What key strategies or elements do we NOT want or need in Marin's Plan?



(Buds) What strategies or elements are missing or need to be improved upon so we can consider these for Marin's plan?



Group Share (1 min. per group)

# Results and Findings (Post Meeting Addendum)

1 Increasing Access to Rebates and Incentives



### Question Pr contractor

Educate Homeowner Contactor One-stop Shop solution thatives Clearing house 2 Single places
to look for
[=bates
to contractors

On-bill
financing as
Part of a
Standardized
all-in-one
all-in-product/service

1. As we transition to an all-electric tuture, what are two solutions (policy, program, or incentive) that we should implement to increase access to rebates and incentives?

nove contractor tracking on electric tech

agency requiring the change Should be responsible contractor certification program that homeowner can trust. Use of ormantine Remerse mortgage Programs for up grass

Groups like
Carbups like
Chief Carbon

are Key to a

coordinated

process

concience service/ support

- Help w/ wanter
- Publiciting
incentions

Education and incentives for small businesses, such as restaurants

Consoldate Info

Ellstale Columny

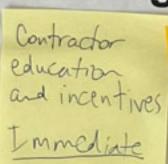
Commission posta

Suildus (Contrators

Zoucation

also

2. When is the best time for these solutions to be in place? Immediate (1/1/2024 - 12/31/2025), Near-term (1/1/2026 - 12/31/2027), or Long-term (1/1/2028 - 12/31/2031)



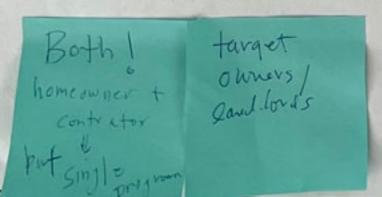
Immediate ( - catch burner to prior to NOX regs

Immediate

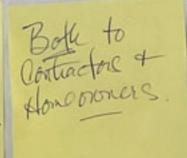
hear term

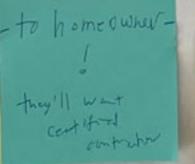
Poable and reasonable in mid-term. All 3

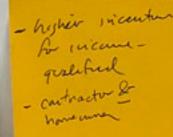
3. WHERE and WHO should we focus rebates and incentives to?

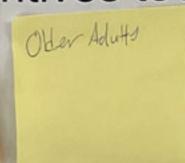


Contractors
and
homeowners
Also, MUD
property developes
and owners

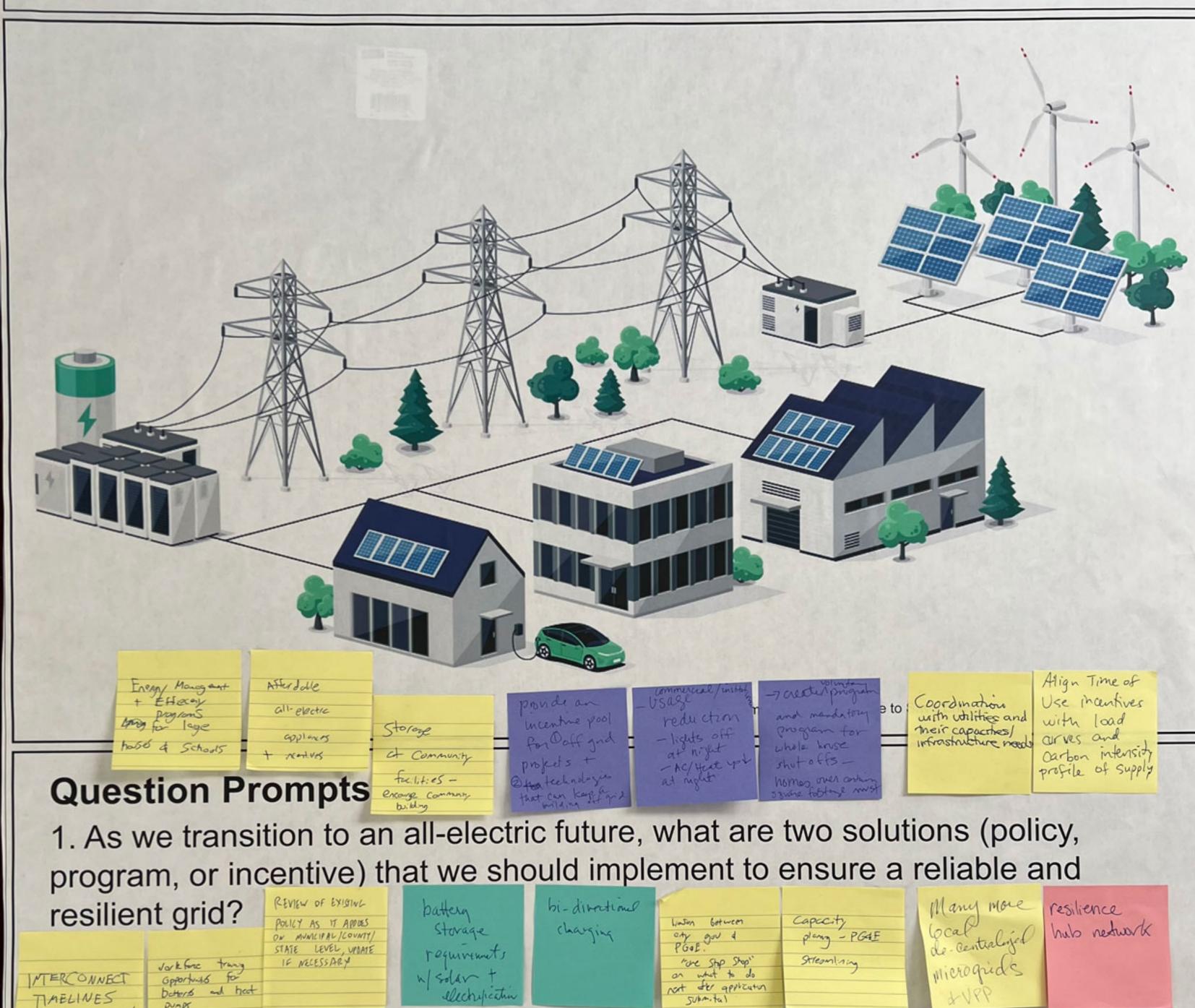








## 2 Solving Grid Reliability and Resiliency in Marin



2. When is the best time for these solutions to be in place? Immediate (1/1/2024 - 12/31/2025), Near-term (1/1/2026 - 12/31/2027), or Long-term (1/1/2028 - 12/31/2031)

Streamline
permitting and
approvals for
large scale
battery arrays
Timmediate

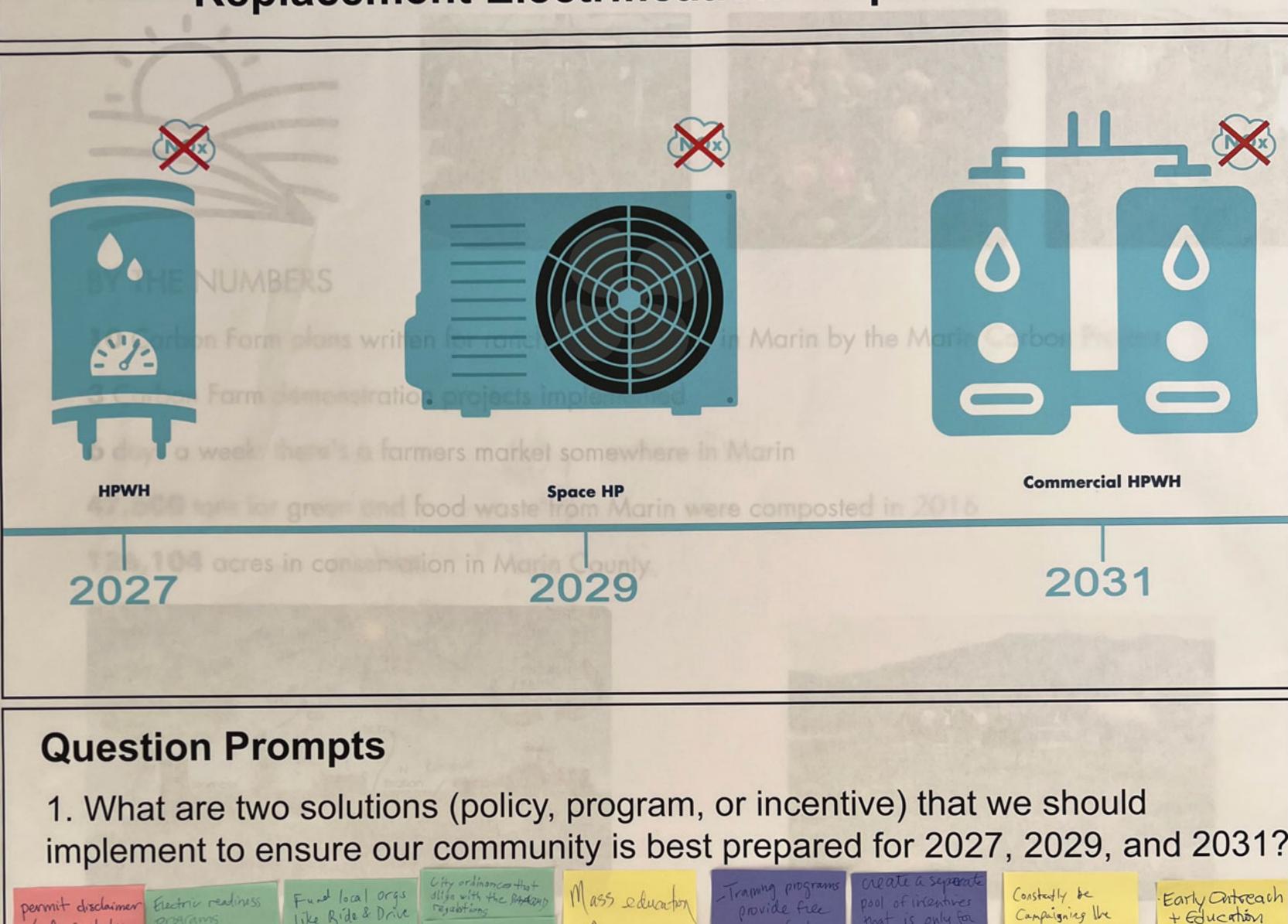
W/UTILITY

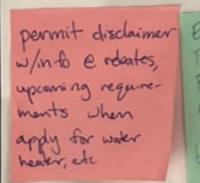
Uninediate

near-feur 76-27 Focus on getty some ready to go fast. Dart need anyty at once

3. If implemented in your community, what would success look like to you? If possible, provide a metric and/or data source to measure.

# Preparing Our Community for 2027: Regional Air District's Time of Replacement Electrification Requirements

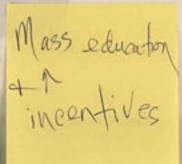




Flectric readiness
programs
Focus on
replacement
on burn-out
between 2023 and
2027

Fund local orgs like Ride & Drive Chen to expand into building electrification education & outrech

City ordinance that all an with the Androp regalations Contractor training for best pumps



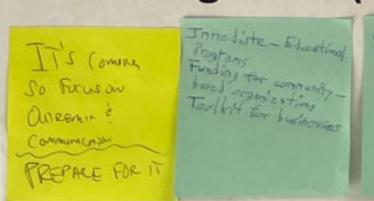
Training programs
provide free
labor for law
- income
- owners pay for
units W results +
incomes

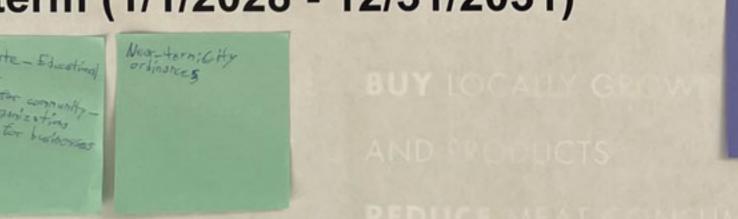
pool of incentives that is only for low income/poc that cannot be used for moduate of manes

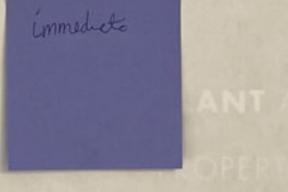
Constatly be Campaigning live Cost Savings of electrituation Early Ontreach
+ Education
. Incentive programs
(set up)
Easy permitting
like solar

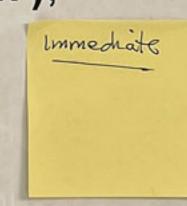
2. When is the best time for these solutions to be in place?

Immediate (1/1/2024 - 12/31/2025), Near-term (1/1/2026 - 12/31/2027), or Long-term (1/1/2028 - 12/31/2031)

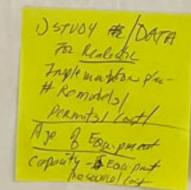


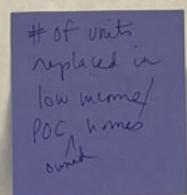




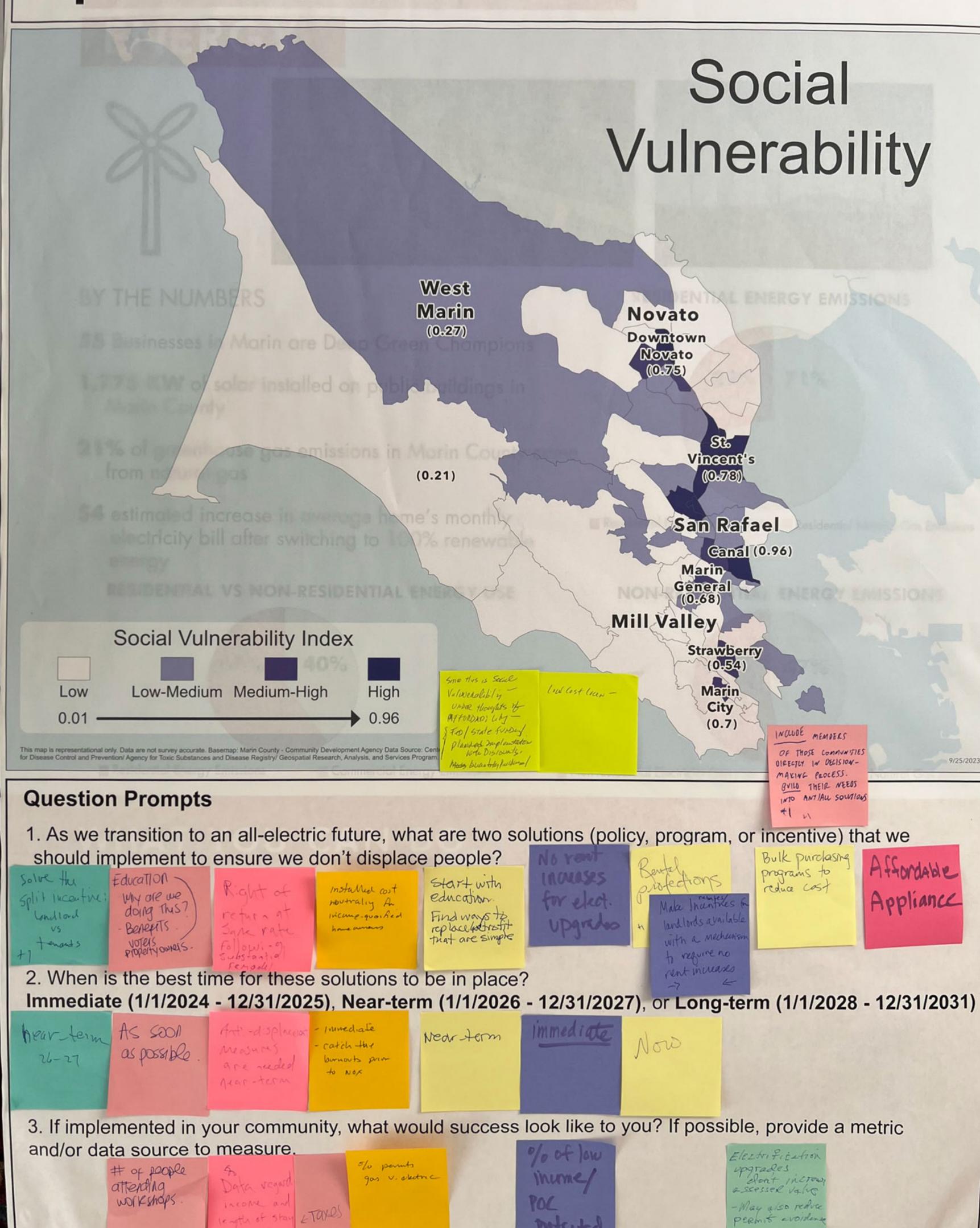


3. If implemented in your community, what would success look like to you? If possible, provide a metric and/or data source to measure.





## **Avoiding Displacement**



permit avoidance

## 5 Solving the Workforce and Contractor Challenge



### **Question Prompts**

1. As we transition to an all-electric future, what are two solutions (policy, program, or incentive) that we should implement to ensure an effective contractor and workforce is in place?

& faid Internship/ the sightendal Tedrine Colon Their of College to Corner Tening/

YOUTH
TRAINING
IN LREEN CAREERS
EXPANDING
FELLOVSHIP
PPPORTUNITIES

Funding for transfersetty Certified Modifying licensing and certification requirements to promote 1- stop Shop solutions (e.g., plumber can wire HPWH)

- Training

Certification
program so
that certified
installers can
marked their
expertise. Facility
expertise. Timmediate
shop. Immediate

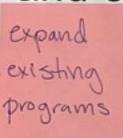
Priect
entry
agreement
form MC3
pre-apprenticus
pragans to
agreement

Stypended

training

Grants or transitives to help contractors pay living wages

2. What are specific next steps you recommend to advance these solutions? Where possible, specify target timeline, potential partners, and other relevant details.



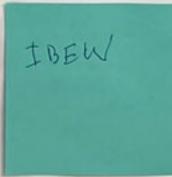
PARTNERS WITHIN STATE AND FEDERAL CLIMATE CORPS

CONTRACTOR FOR
CONTRACTOR MERTING
CAFETY MERTING
LUNG+ & LEARING

clevelopment
program for
subsets of population
(disadvantaged
communities. Hose
por provided who
served prison antenos)

- College of Many

paid training tys!



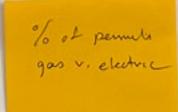
Education

E

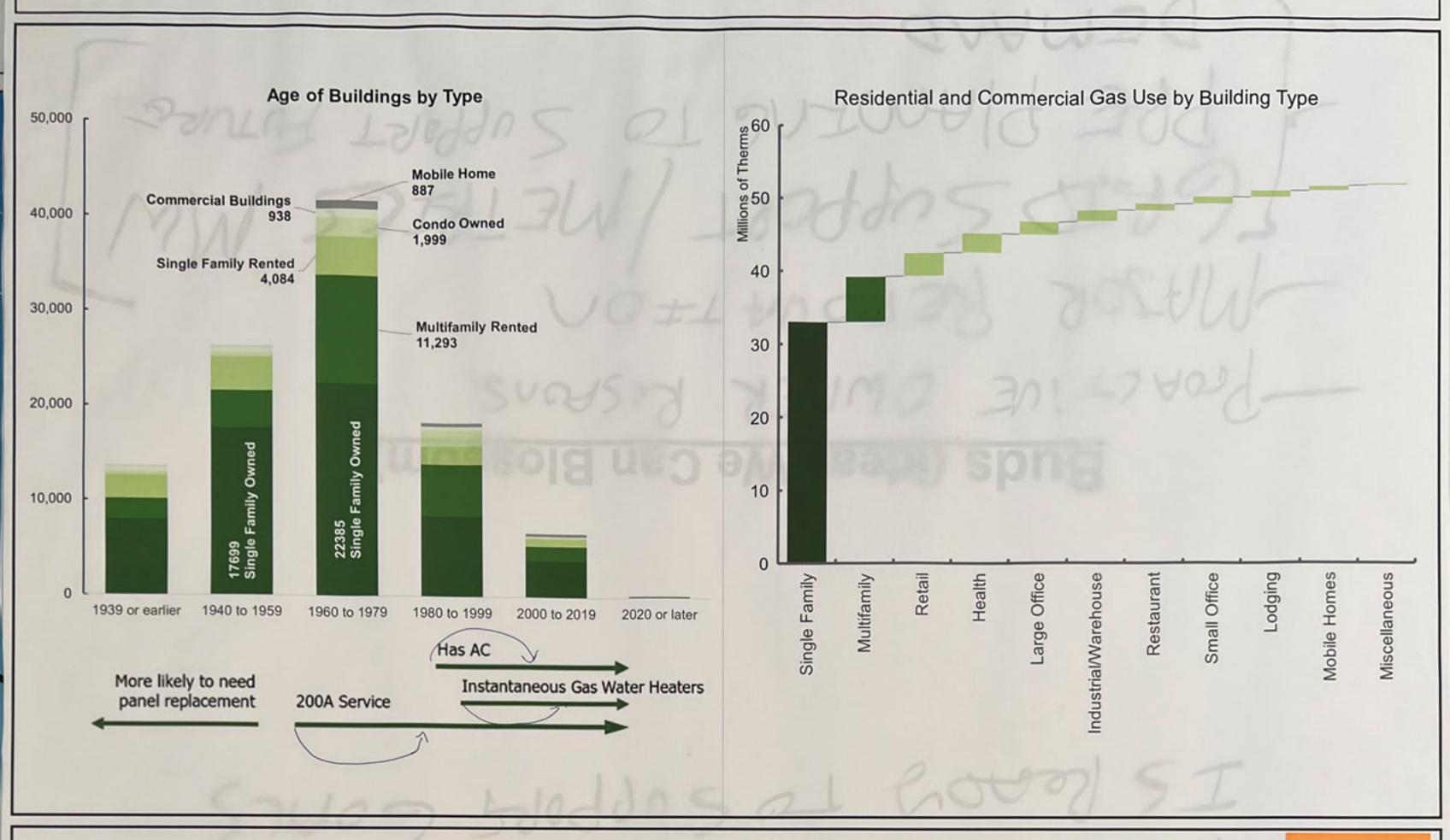
IN(ENTINE)

For schola 7005

3. If implemented in your community, what would success look like to you? If possible, provide a metric and/or data source to measure.



# 6 Building Inventory Update: Commercial vs. Residential



#### **Question Prompts**

1. As we transition to an all-electric future, what are two solutions (policy, program, or incentive) that we should implement to ensure electric appliances are installed?

countywide direct install program? (Palo Atto)

Increws so much Supply that low lost energy becomes sole incentive. Education to the

Educate Sales poole; (Hone Depot, ote) 1 Suply in Stocks.

· Eary permitting · Reportes · Require for all new construction major remodels · Incenturis/relation
· Information be homocuras (month)
(Normalize allelectric)
· Training for autroctor
· Albelectric an born out policy

time of burnant time of burnant time of benov.

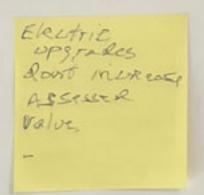
EDUCATION!

PROVICE

Planned 740 grave

Cherk NAWD-

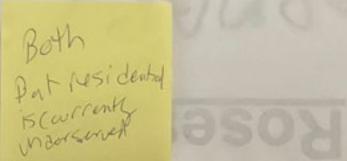
2. When is the best time for these solutions to be in place? Immediate (1/1/2024 - 12/31/2025), Near-term (1/1/2026 - 12/31/2027), or Long-term (1/1/2028 - 12/31/2031)



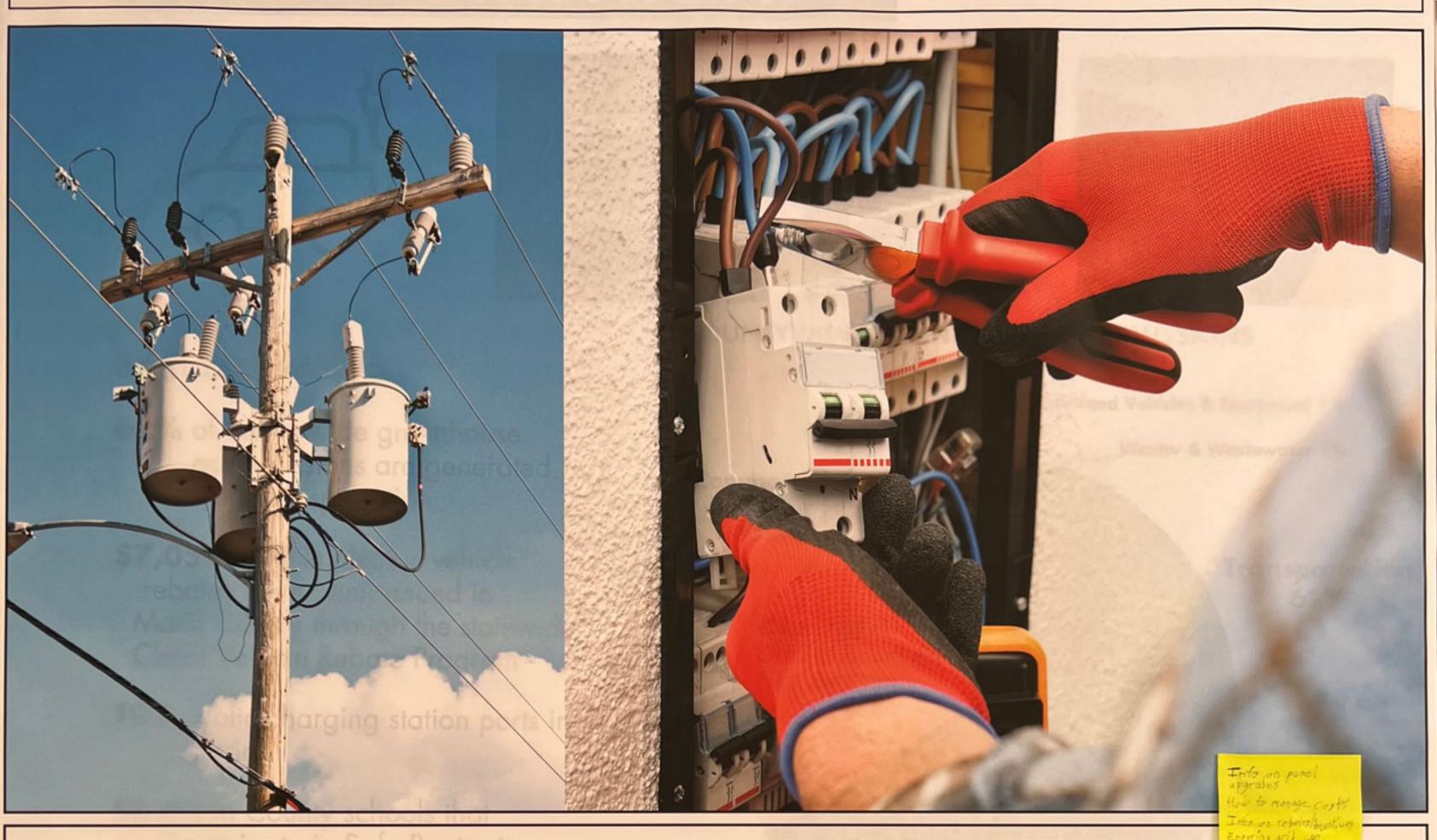
Incentivite
developers / property
through property
taxes or otherwise

· Near-term .Near-term · Immediate bijgest ometunty
is before NOX
rego laik in
· Target humaner
who are ready to go

3. If implemented in your community, should we be focusing these solutions in residential or commercial building stock? Both? More one than the other?

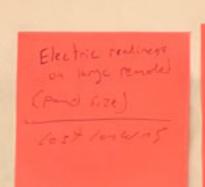


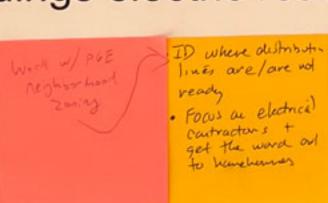
# 7 Electric Readiness: Preparing Older Building Stock to be Ready



#### **Question Prompts**

1. What are two solutions (policy, program, or incentive) that we should implement to get buildings electric ready?



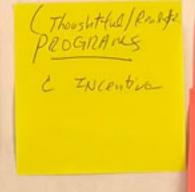


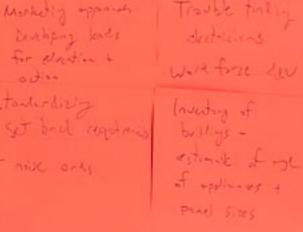
Panel capacity increase proglan to land lords

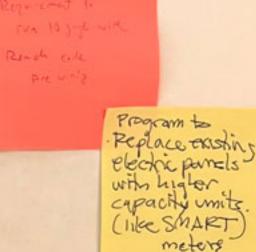
Land lords

Lonarts

Specificantic





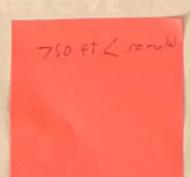


2. When is the best time for these solutions to be in place?

Immediate (1/1/2024 - 12/31/2025), Near-term (1/1/2026 - 12/31/2027), or Long-term (1/1/2028 - 12/31/2031)

Tunicalist Housands of bern-outs beto BAROWD , resp.

3. If implemented in your community, are there certain households and/or residences we should focus on?



COMMERCIAL (Due to Stale)

OLDER HONOS 
If OWNERS IN

After D
(DURING KAMPLE)

# Time of Sale Policy: A Starter or Non-Starter?



#### **Question Prompts**

1. What type(s) of Time of Sale policies exist in your community or that you know of? Seller reeds REQUIRE

DISCLOSURE OF PREVIOUS 12 MONTH'S UTILITY BILLS

REQUIREMENT TO GAT A HOME ENERGY ASSESS. W/IN 5 YES OF SALE

to have curent home energy assessment love. Buyers need to ask for it if osked for. enegy score disclosure

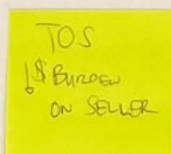
MARIN DisclosuRES-1 CTONUEL Tive Prevote V-(Trapport for 1000 law side

DISCLOSURE OF PERMIT MISTORY

PERMIT INSTECTION Time of Sale 13 e proven failure Too Many homeowners just moment to do wirk that reeds to be done

Nothing Says Something 19 Unimportant as Planning to want Until a sale

2. IF this were to be considered policy, what would need to be in place to Wholehouse effectively implement? Point of sale



STRONG SUPPORTED ENFORCEMENT

Great Hea. However, could be costly to sella-ledyer. Checkwith Marin Board of Realtors

trained evaluator 5 requirement world help new homeowners to afford homes wort needing up grades

Shut off - Motivishinsons - include lower cost solutions as well

3. Vote (sticker):

Starter	Non-Starter	
	CTRILLIE AND IS SOW THE OWNER.	

Reflection and Needs



TAKE SURVEY

#### Next Steps

- 10/25/2023 Workshop #3
- Between Nov and End of Dec 2023: Feedback Loops and Draft Plan
- January '23/February'24: Final Plan