



UNINCORPORATED MARIN CLIMATE ACTION PLAN

Community Workshop
October 14, 2020



Review of Workshop

- 44 Attendees
- Draft CAP Presentation (about 45 minutes)
- Questions & Answers
 - Answered about 10 written questions during the presentation
 - Then about 20-minute verbal Q&A session with panel



Marin County
Unincorporated Area

CLIMATE ACTION PLAN 2030

Public Review Draft
October 5, 2020

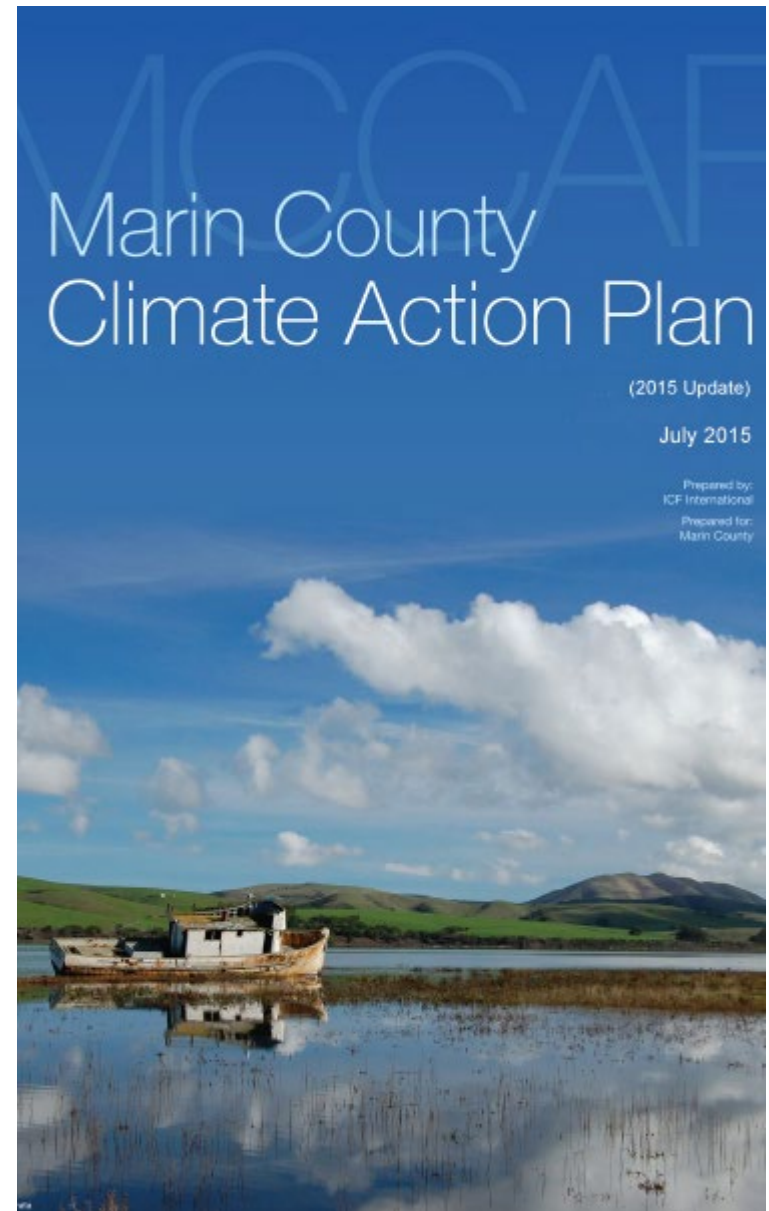


Climate Action Plan Update

- Current CAP adopted in 2015

Desire to:

- Address new State legislation (SB 32) to reduce statewide emissions to 40% below 1990 levels by 2030
- Address State goals to achieve carbon neutrality by 2045 (EO B-55-18) and emissions that are 80% below 1990 levels by 2050 (EO B-30-15)
- Coordinate with Drawdown: Marin process and goal setting
- Incorporate new strategies, technologies, and best practices



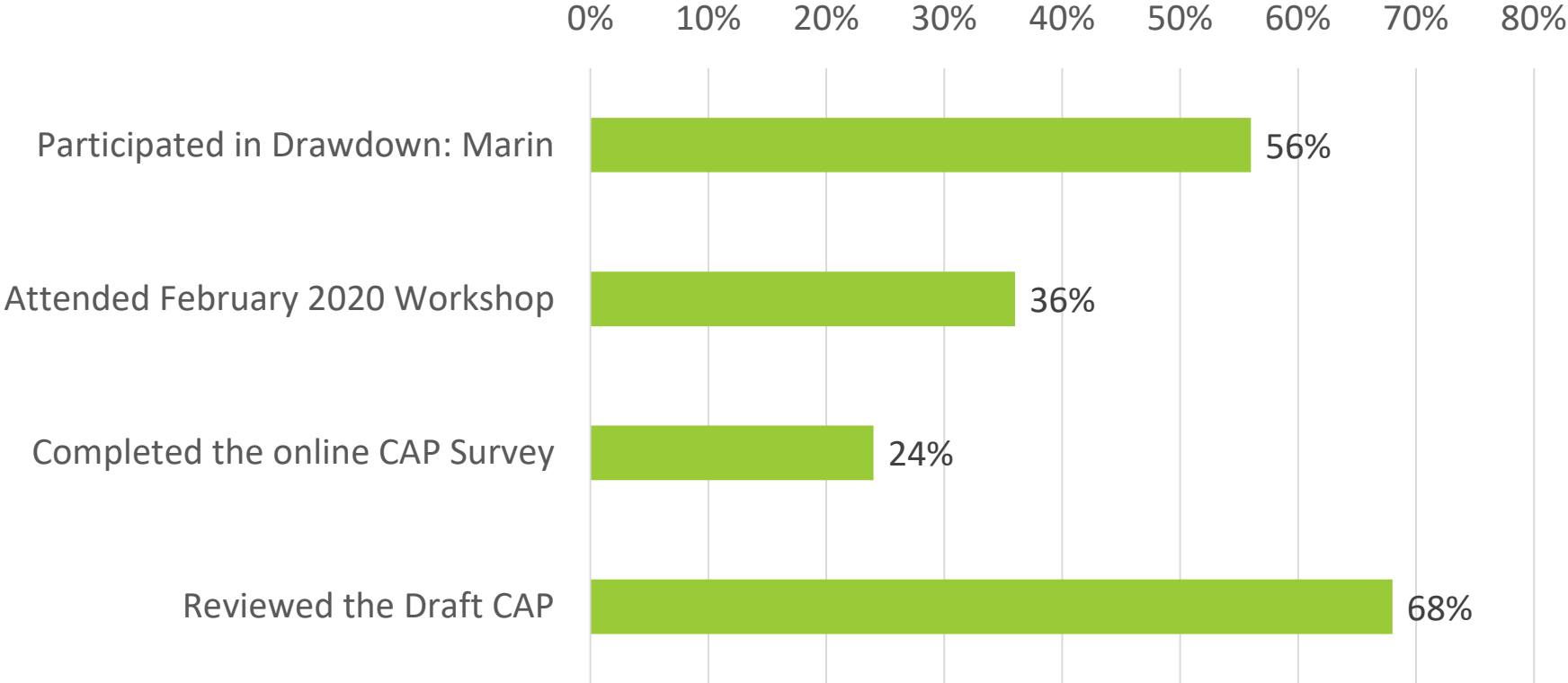
CAP Update Process

- Drawdown: Marin Launched in 2018
- Initiated in 2019
- Community Workshop February 2020
- Online Survey June – August 2020
- Draft CAP posted Oct. 5, 2020
- Virtual Community Workshop
- Board of Supervisors to review in December 2020

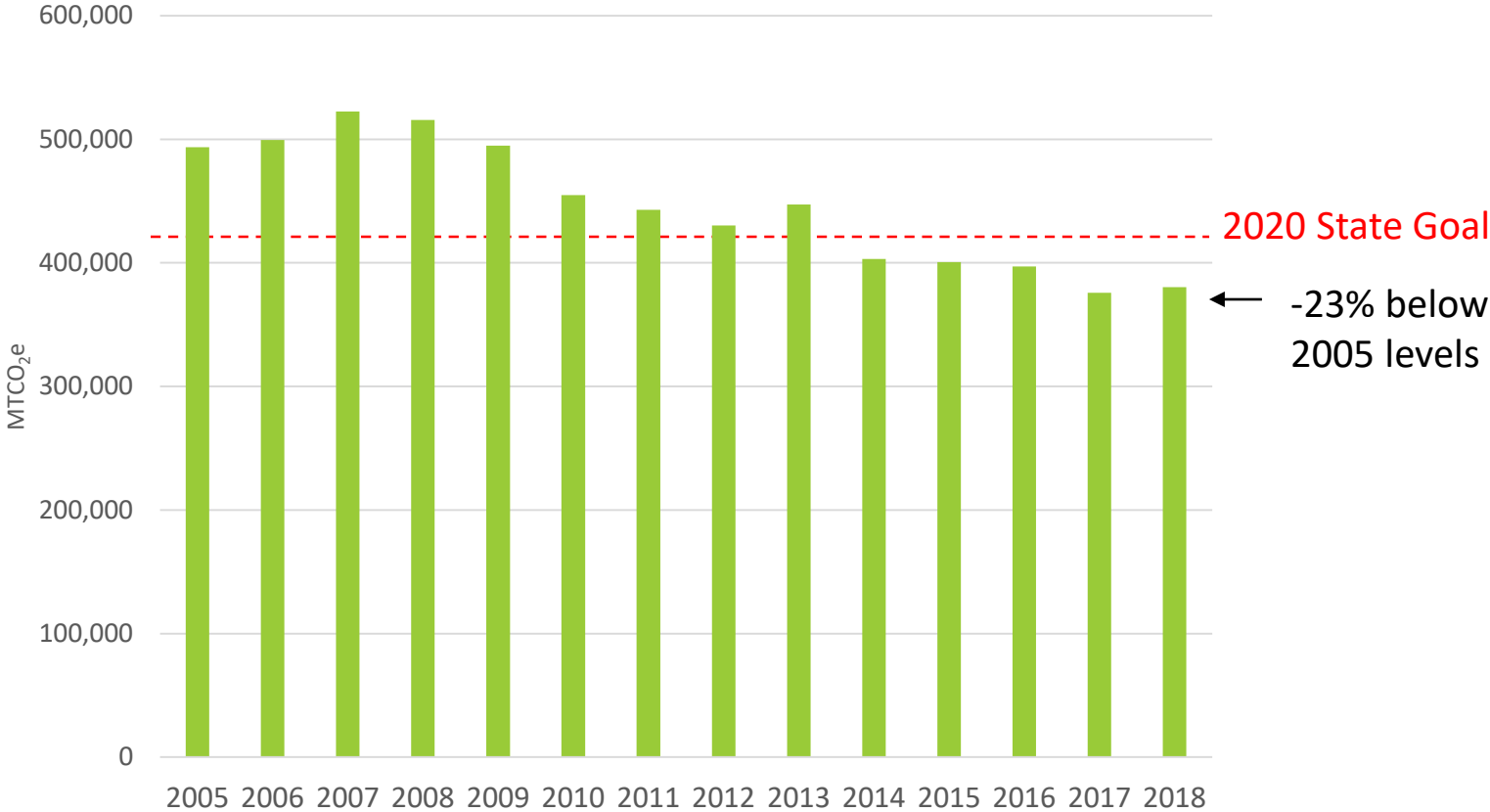


Workshop Poll

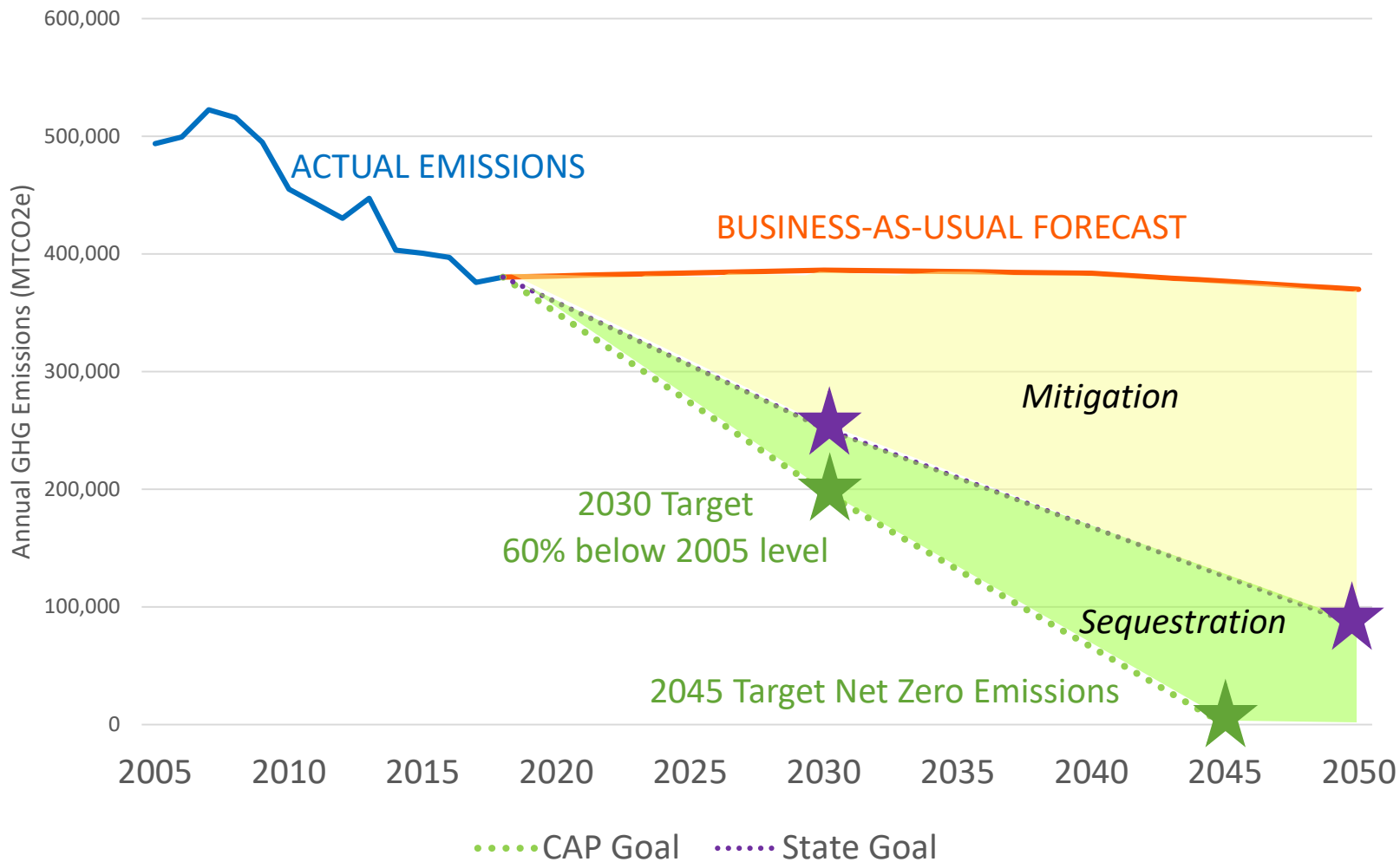
Have you participated in the CAP Update Process? (Check all that apply)



Trend in Unincorporated Marin Community Emissions

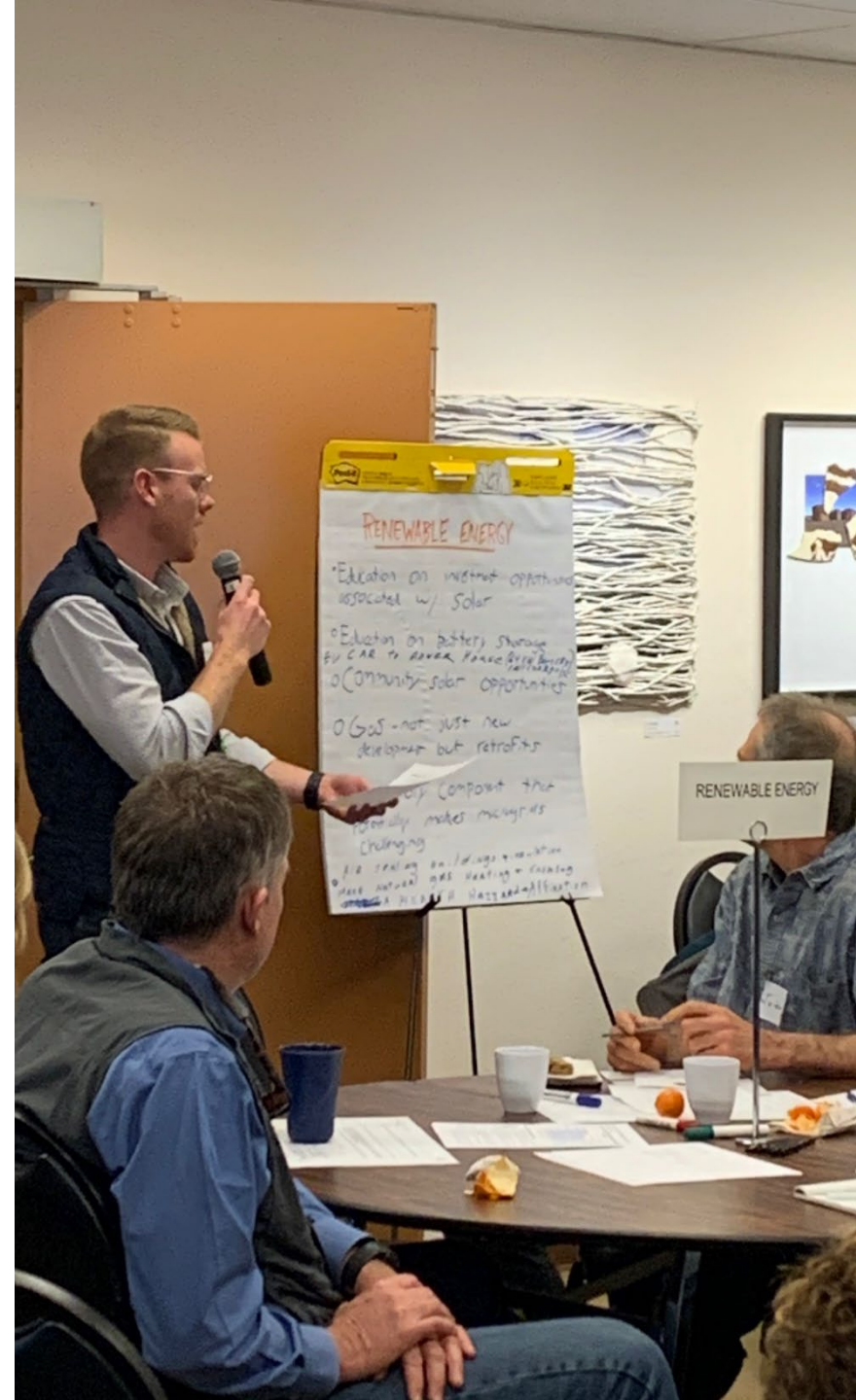
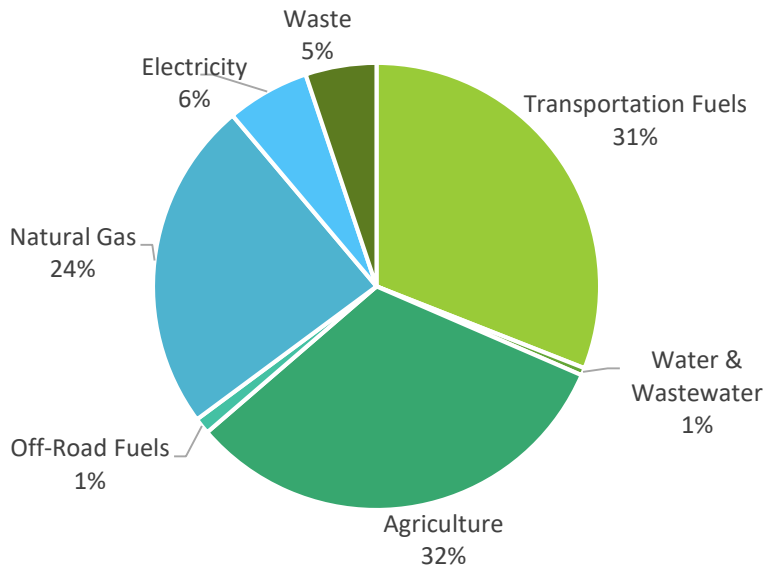


Reduction Targets



Measure Considerations

- Collaboration with other Marin towns and cities
- Feasibility
- Equity
- Impact on reducing emissions



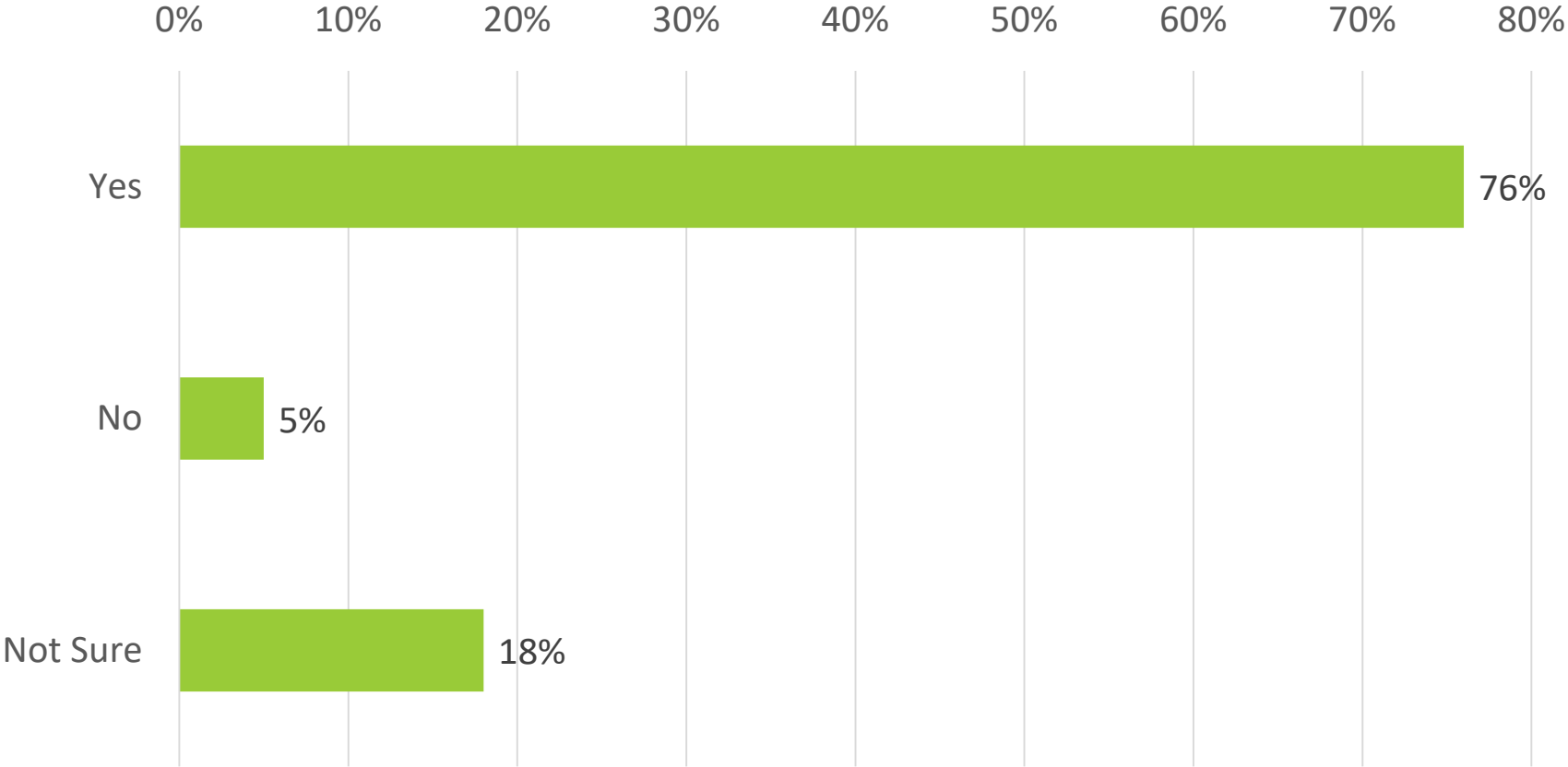
Renewable Energy & Electrification

- Support MCE's goal to be GHG-free by 2022
- Facilitate solar PV installation and encourage battery storage
- Continue County's existing rebate program Electrify Marin and promote/incentivize electrification
- Require new residential buildings to be all-electric beginning in 2023
- Consider adopting an ordinance in 2024 that requires homeowners to replace natural gas appliances, such as water heaters, stoves, cooktops, clothes dryers, and heating systems with high-efficiency electric appliances at time of replacement
- Require new non-residential buildings to be all-electric beginning in 2026
- **Develop Community Resilience Hubs in San Rafael**
- **Develop Microgrid Pilot Project in Fairfax**



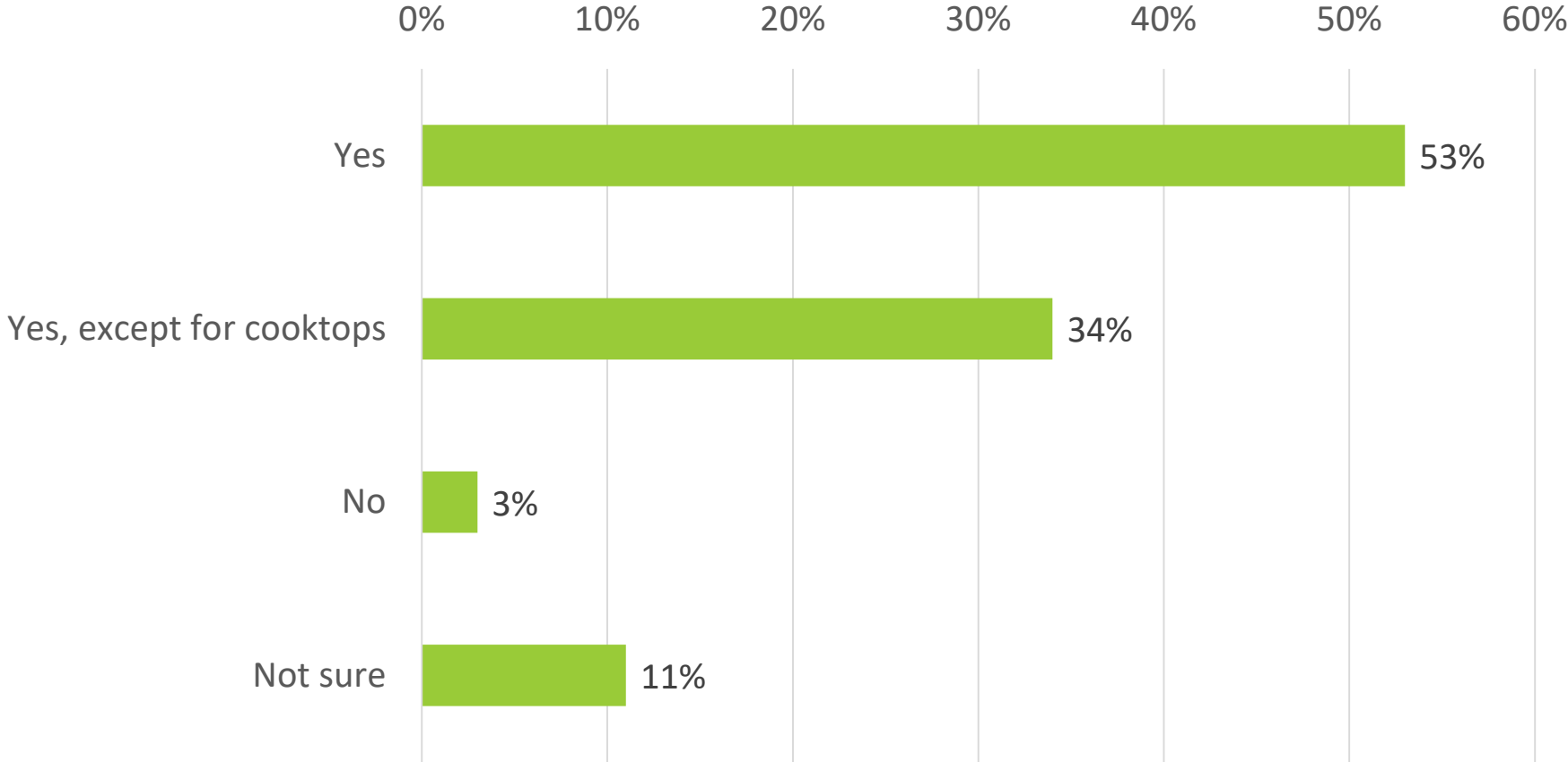
Workshop Poll

Should the County require new residential and non-residential buildings to be all-electric?



Workshop Poll

Should the County require installation of high efficiency electric appliances when replacing appliances that use natural gas?



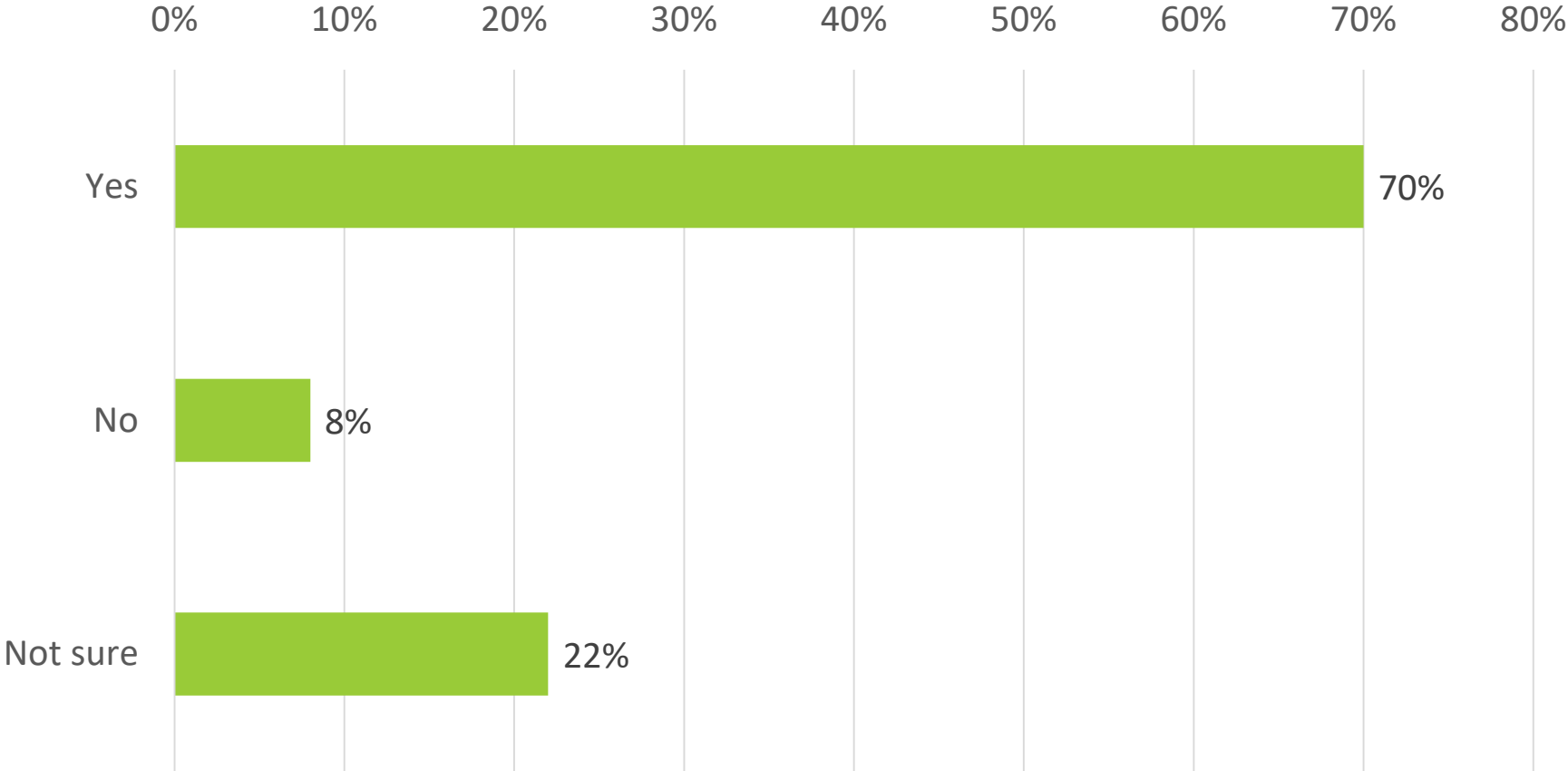
Low Carbon Transportation

- 45% of passenger vehicles registered in Marin are zero emission by 2030
 - Work with Drive Clean Bay Area to develop a campaign to accelerate widespread adoption of ZEVs.
 - Require more workplace and multi-family EV chargers
 - Install more public EV chargers and fast chargers
- Increase biking and walking by building out the bike/ped network and providing facilities as identified in the County's Bicycle and Pedestrian Master Plan
- Work with schools to enhance Safe Routes to School programs and facilities
- Work with employers to provide transportation demand management programs
- Use renewable diesel and electrify fleet
- Electrify landscape equipment



Workshop Poll

The CAP is targeting 45% of passenger vehicles registered in Marin to be zero emission by 2030. Do you think this is achievable?



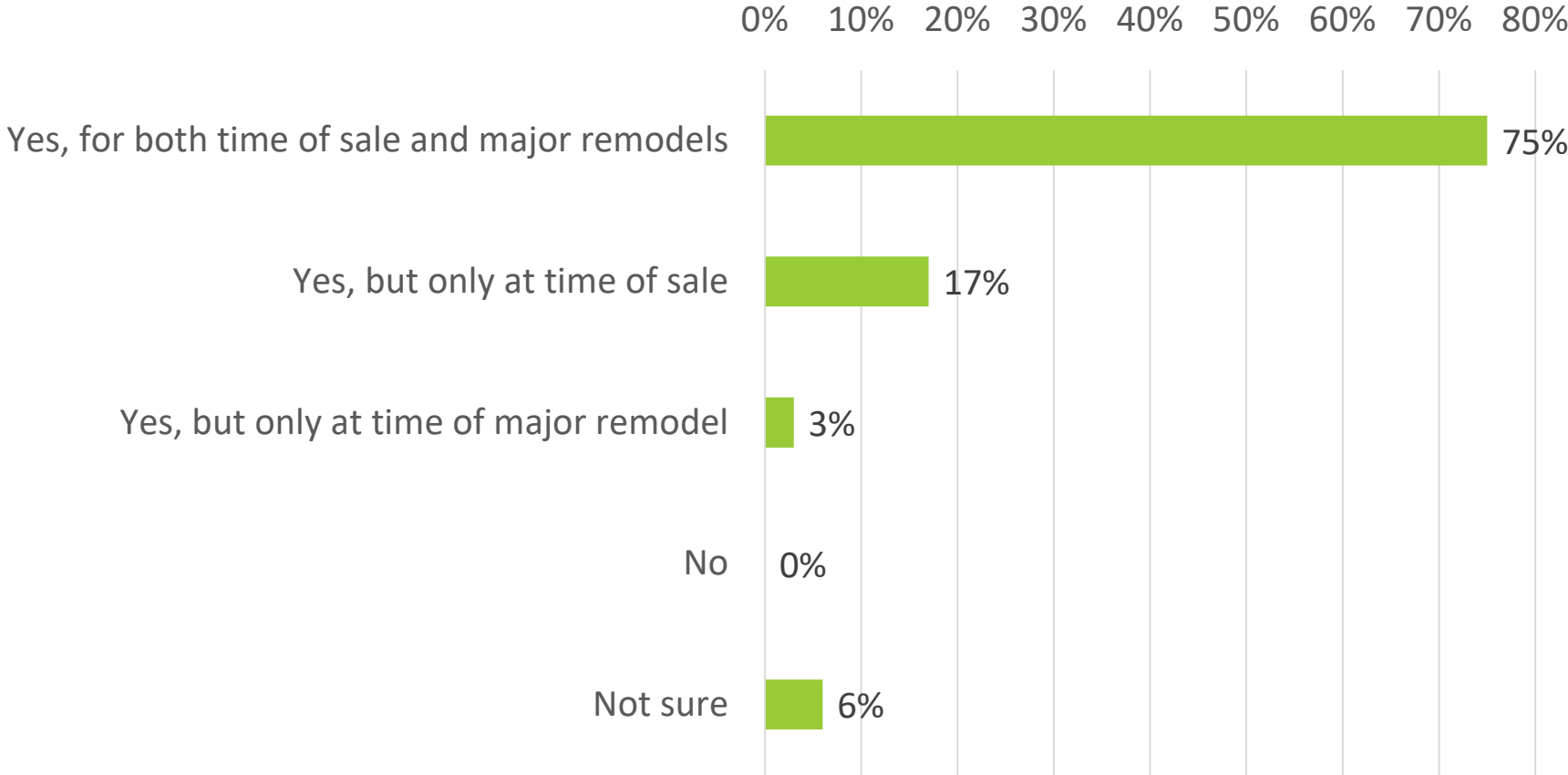
Energy Efficiency

- Promote and expand participation in energy efficiency programs, rebates, audits, and financing alternatives
- Continue to adopt a green building ordinance that requires energy efficiency above State building code
- Continue LED streetlight replacements and energy efficiency upgrades and conservation in County buildings and facilities
- Consider requiring an energy audit at time of sale or major remodel of residential and commercial buildings



Workshop Poll

Should the County require an energy audit at time of sale or major remodel?



Waste Reduction

- Work with Zero Waste Marin, the County's waste haulers and special districts, and nonprofits such as Extra Food to divert residential and commercial organic waste from the landfill through recycling, composting, and participation in waste-to-energy and food recovery programs.
- Adopt an ordinance requiring mandatory participation in recycling and organics collection
- Consider investing in new solid waste processing infrastructure to remove recoverable materials (recycling and organics) from the waste stream
- Study biomass sources and uses, such as biomass to energy or reuse of woody material as ground cover on ranches



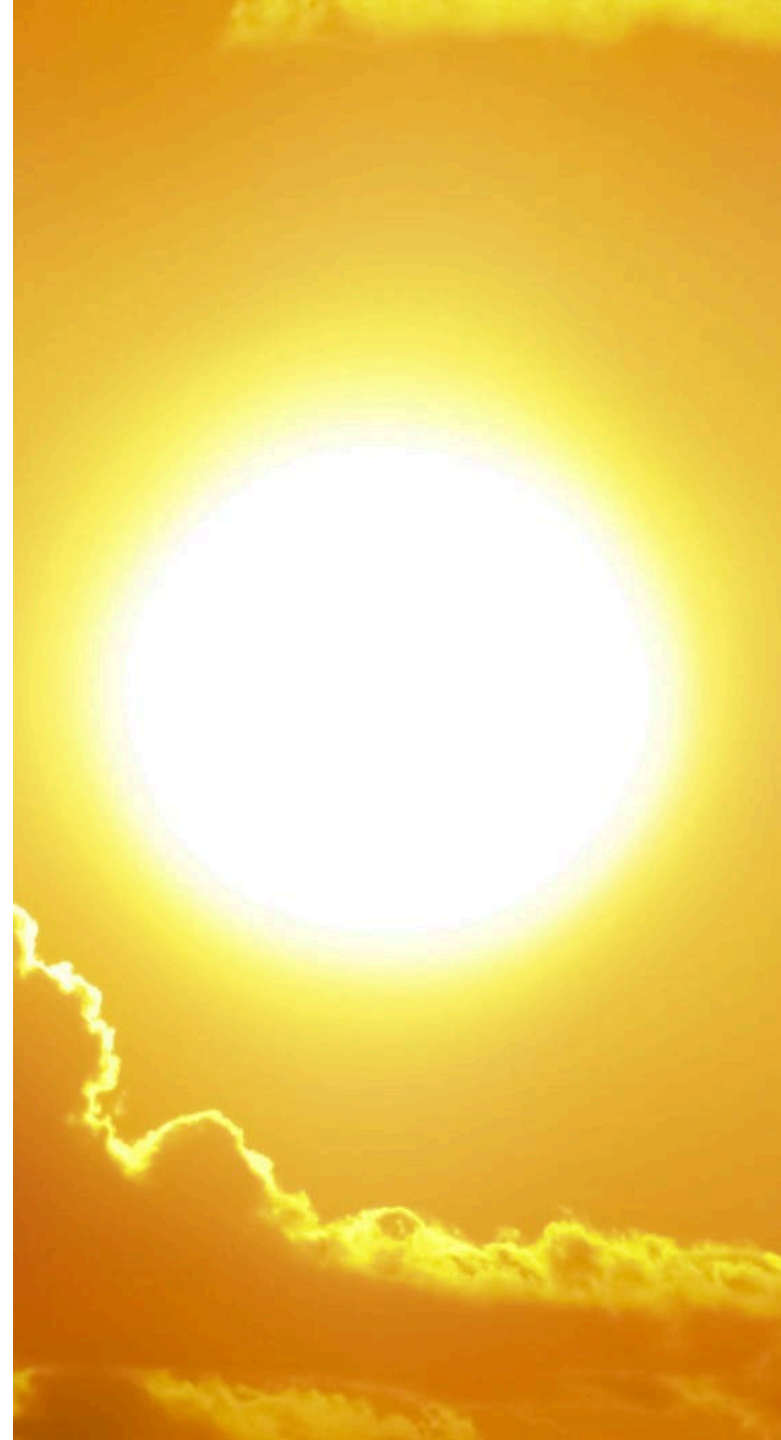
Water Conservation

- Promote programs and adopt building code requirements that will reduce water consumption 1% per year



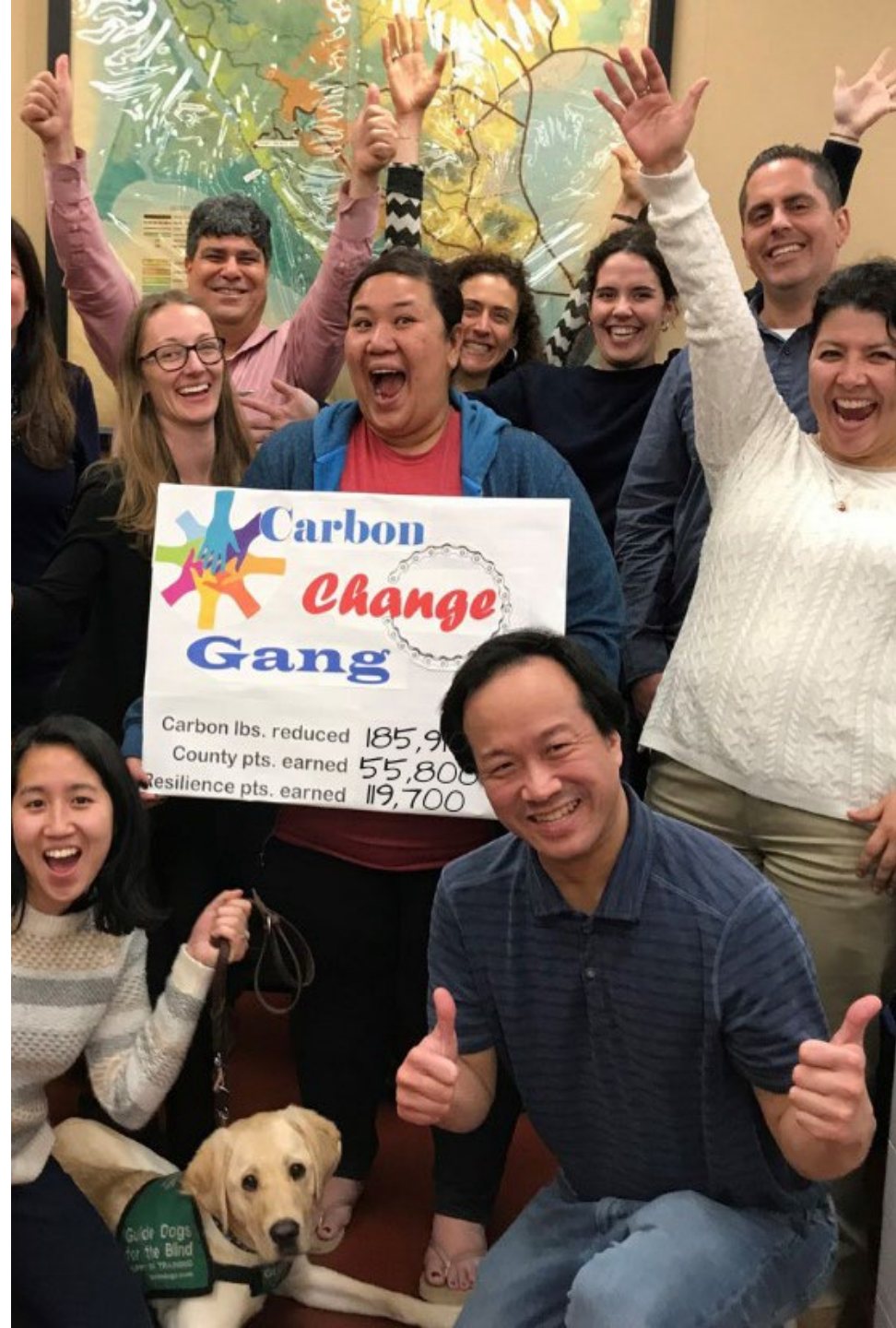
Adaptation & Community Resiliency

- Continue sea level rise planning and implementation through C-SMART and BayWAVE
- Adopt a comprehensive adaptation plan that addresses all climate change impacts



Community Engagement and Empowerment

- Work with community-based organizations to educate the community
- Promote Resilient Neighborhoods and help develop a new pilot program that reaches underserved, non-English speaking communities and programs that incorporate mental well-being/trauma resilience.
- Work with Drawdown: Marin to engage and empower the community



Embodied Emissions and Circular Economy

- Explore expansion of embodied carbon building policies from the success of the low-carbon concrete ordinance, to consider:
 - Deconstruction requirements for older homes
 - Project-level embodied carbon limits
- Consider adoption of embodied-carbon limits, in line with the Buy Clean California Act, for County projects



Agriculture and Working Lands

- Worked with the Marin RCD, UCCE Marin, MALT, and CCI to develop a deeper understanding of potential for GHG emission reduction and sequestration in the Ag sector.
- Measures focus on manure management practices and **carbon farming**, both of which can increase carbon drawdown into the soils of working lands.
- Also includes measures to support farmers markets, explore potential for aquatic carbon sequestration, promote agricultural land preservation, and encourage carbon sequestration through tree planting.



Next Steps

- Draft CAP posted at www.marincounty.org/climate
- Accepting public comments through October 31, 2020
- Board of Supervisors' Consideration in December 2020

