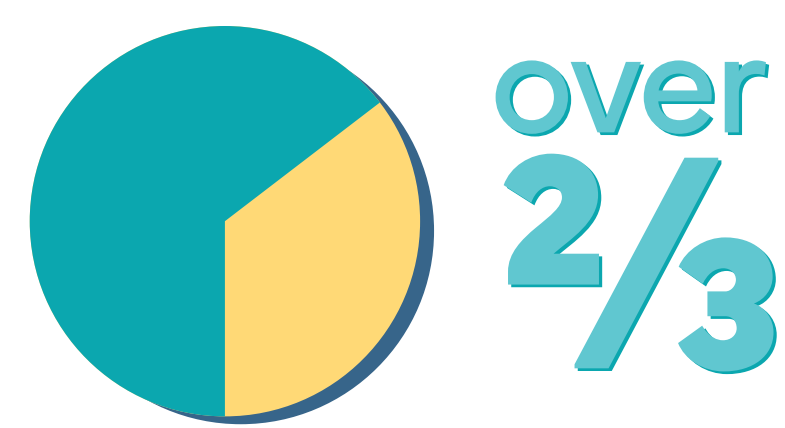
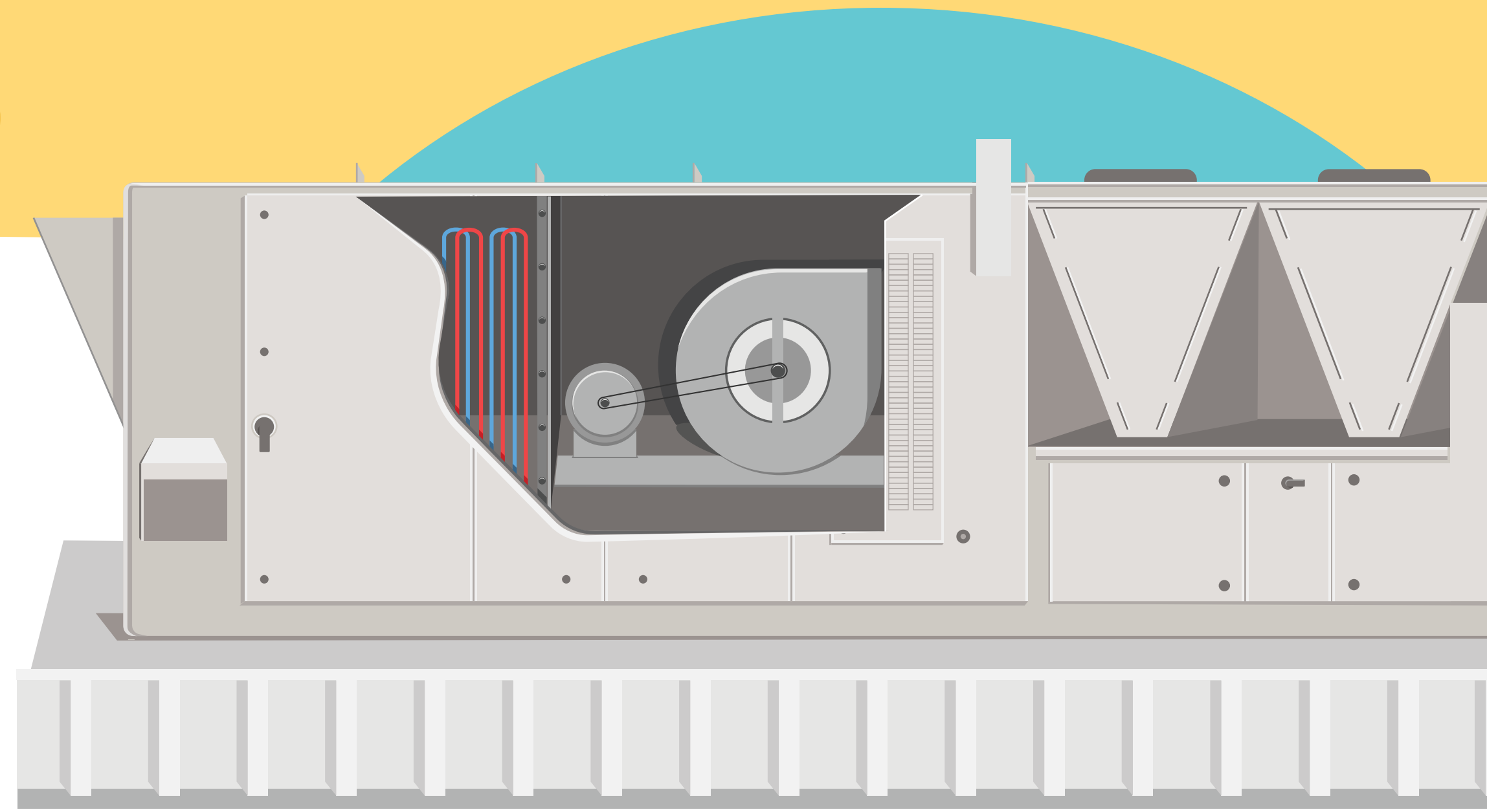


# Transitioning California to

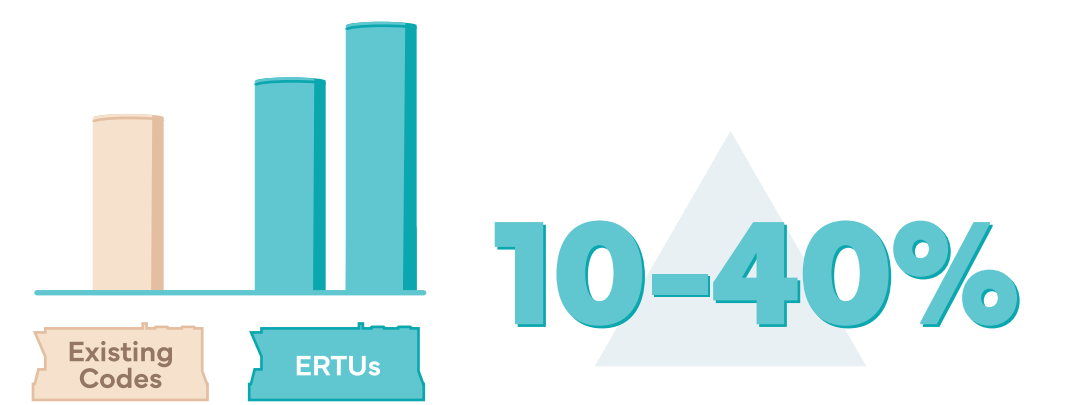
# ERTUs

## What is an ERTU?

*Efficient rooftop units (ERTUs) are forced-air systems that package cooling, ventilation, and heating components into a single unit. ERTUs include design improvements to increase energy efficiency, as well as advanced control systems.*



of California's commercial buildings are conditioned by RTUs



energy savings beyond the minimum required by existing codes are delivered by ERTUs

## Key Barriers

- Limited product availability
- Minimal perceived benefit to manufacturers
- Ineffective product differentiation
- Nuanced installation techniques
- Concerns about cost and affordability

## Strategic Interventions

- Research on equipment needs for CA climate
- Engage manufacturers on product development
- Partner with distributors on contractor acceptance and education
- Motivate supply chain to drive adoption and ERTU sales
- Collaborate on product specifications
- Coordinate on codes and voluntary standards

## Benefits

- Could save an estimated \$1.7 billion in TSB
- Demand flexibility
- GHG reductions
- Equity
- Workforce development

## End State

ERTUs become the norm for new and existing small to mid-sized buildings

## Next Steps

- 1 Energy Modeling (Q1–Q2 2024)
- 2 Market & Technology Research (Q2–Q3 2024)
- 3 Market Characterization Study (Q4 2024)
- 4 MTI Plan Delivered for Approval (Q4 2025)

LEARN MORE



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

Learn more at [calmta.org](https://calmta.org)

[linkedin.com/showcase/calmta](https://www.linkedin.com/showcase/calmta)

# About CalMTA

CalMTA is working to help California achieve its climate goals by delivering lasting efficiency and decarbonization through market transformation.

Market transformation works to remove barriers or exploit opportunities, accelerating the adoption of efficiency technologies or practices.

## Ideas Under Development



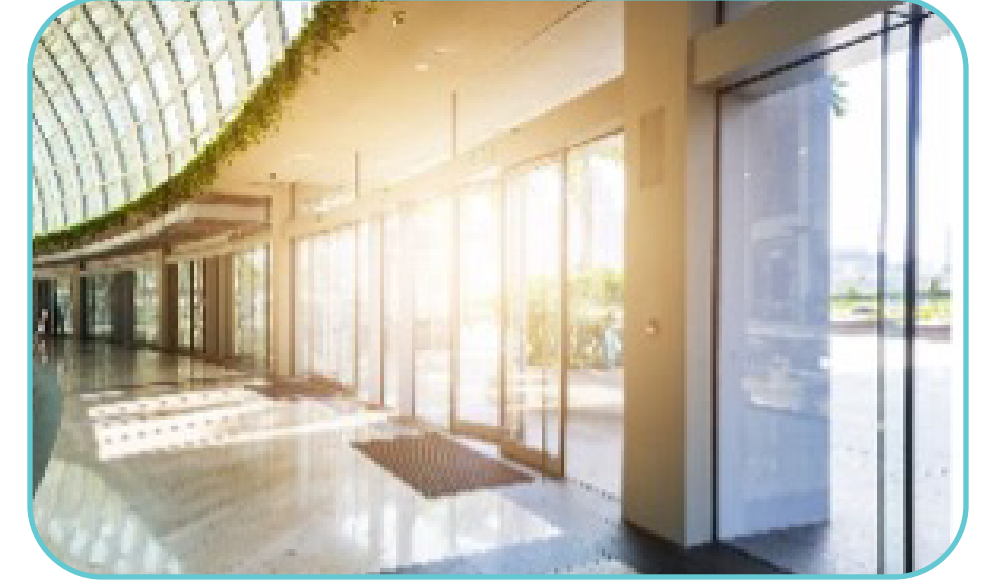
Efficient Rooftop Units (ERTUs)



Portable/Window Heat Pumps



Induction Cooktops & Ranges



Commercial Replacement & Attachment Window Solutions



Efficient Streetlighting

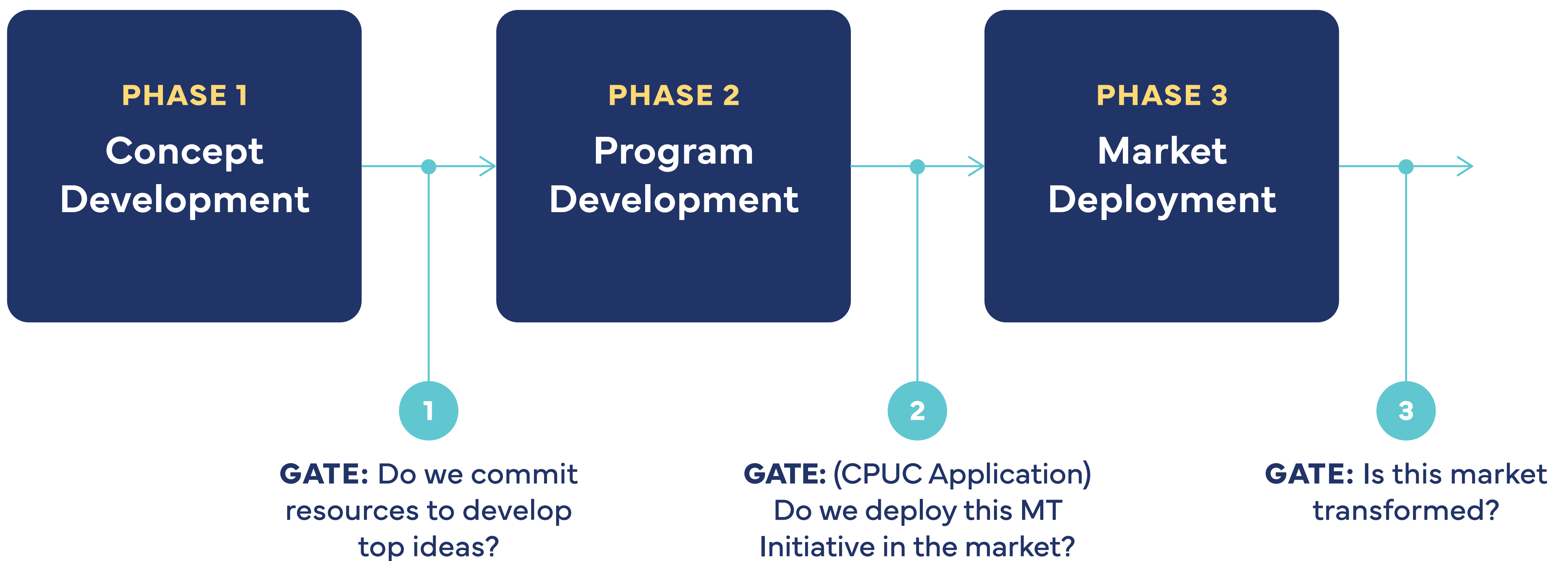


Residential Heat Pump Water Heating



Foodservice Water Heating

## The MTI Development Process



## Got Game-Changing Ideas?

Our next Request for Ideas opens **this spring**.

Learn More at [calmta.org/participate](https://calmta.org/participate)

*Help California catalyze market change for the energy future we need.*



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