



County of San Diego



GETTING TO ZERO

SAN DIEGO COUNTY
REGIONAL DECARBONIZATION FRAMEWORK

A Collaborative Effort to Lower the Region's Carbon Footprint

Regional Convenings
Office of Sustainability and Environmental Justice
January 2023

Climate Crisis Impacts our Region



The San Diego Union-Tribune



Why San Diego's soaring heat is so dangerous



Jeremiah Thomas, 7, plays in the water
(Eduardo Contreras/The San Diego U



The San Diego Union-Tribune



San Diego's recent wildfires a harrowing harbinger of global heating



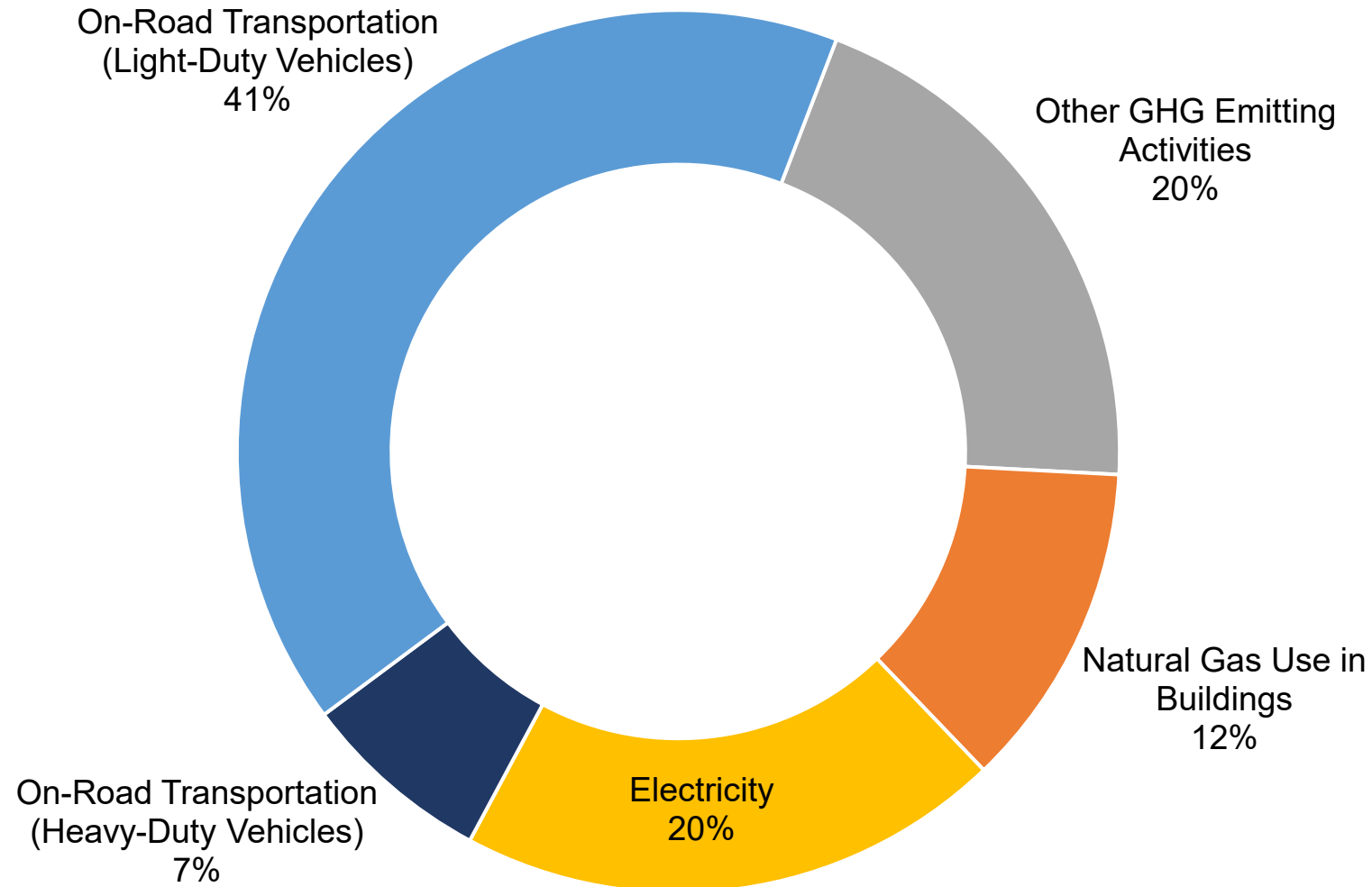
Climate experts warn extreme heat, humid weather could b...

Climate change • Climate change refers to long-term shifts in temperatures and...



Regional Emissions of Greenhouse Gases

Measured in Carbon Dioxide Equivalent



Our Guiding Principles



Challenges and Opportunities

United States:

- Funds for infrastructure and climate investments

California:

- Net zero emissions by 2045
- 100% renewable energy on the grid by 2045
- All sales of new cars will be electric by 2035
- Preserve 30% of land & marine habitats by 2030

San Diego Region:

- The County is planning for the entire region to get to zero emissions, i.e., decarbonization



Integrated Regional Framework



Technical Report

Completed
August 2022



Workforce Development Study

Completed
August 2022



Implementation Playbook

Draft January 2023

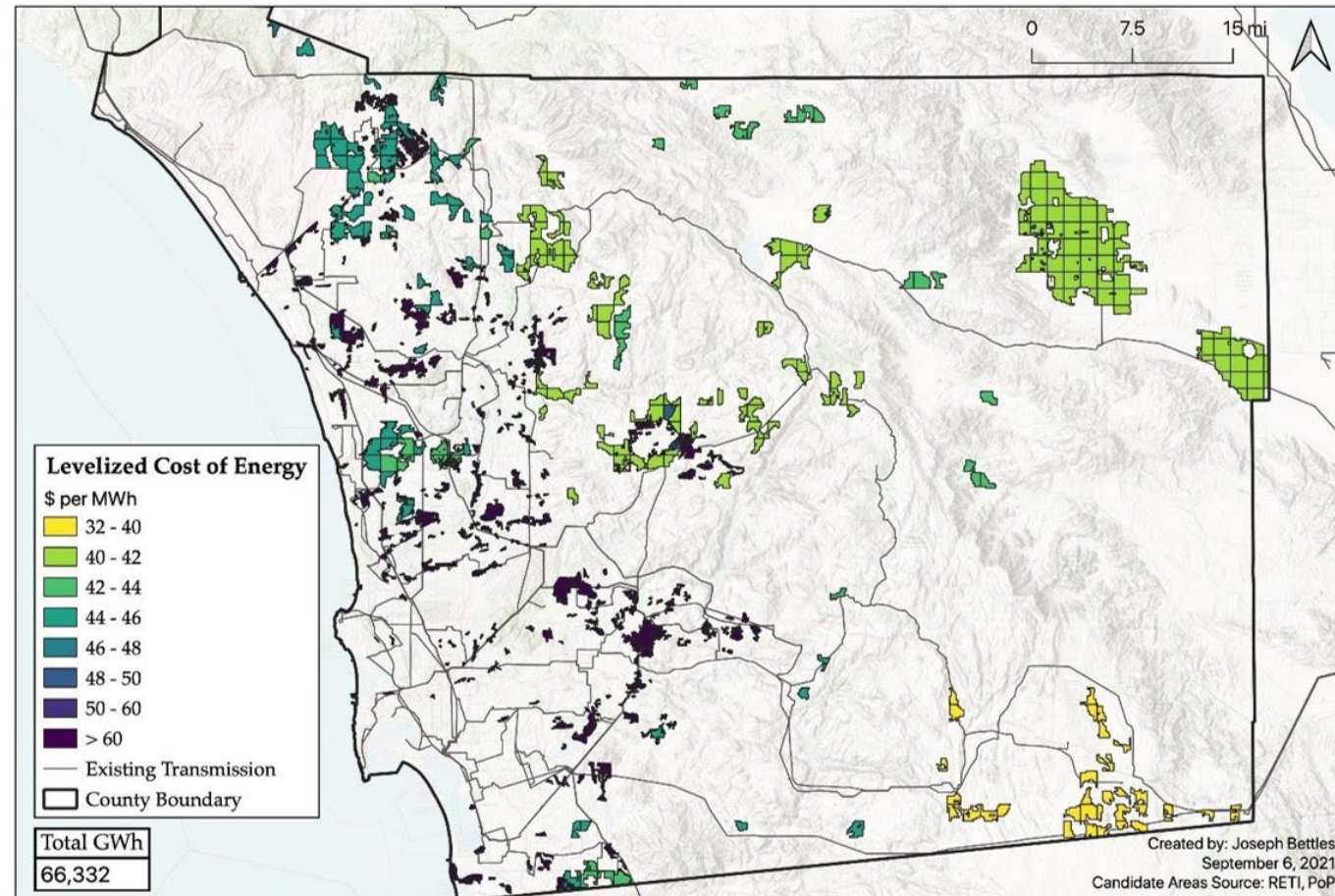
Integrated Framework



Completed
August 2022

Technical Report – Key Findings

- **Electricity**
- Transportation
- Buildings
- Natural Climate Solutions



Technical Report – Key Findings

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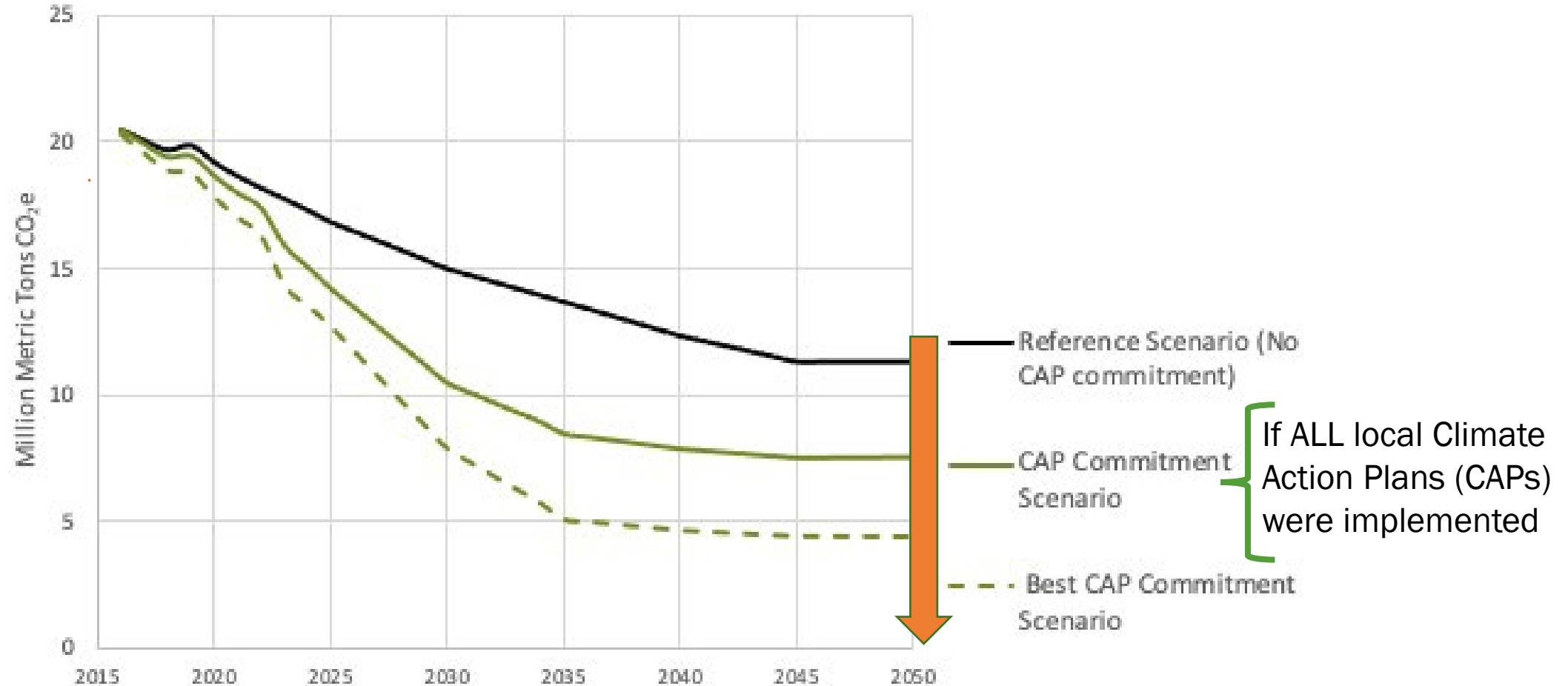


Technical Report – Key Findings

- Electricity
- Transportation
- Buildings
- **Natural Climate Solutions**



No Path to Zero in Current Local Plans



This chart does not include all GHG emitting activities in San Diego Region, or potential new local, state, and federal actions that could be adopted in the future.
Energy Policy Initiatives Center, 2022

Integrated Framework



Technical Report



**Workforce
Development Study**



**Implementation
Playbook**

Completed
August 2022

Workforce Development Study

- Climate investments can create ~27,000 jobs per year through 2030.
- The quality of these new jobs depends on policy choices by businesses and governments.



What are “high-road jobs”?

- **Job quality:**
 - Family-supporting wages and benefits
 - High standards for health and safety
 - Long-term career pathways
 - Worker protections including the right to organize
- **Job access:**
 - Access and entry-points to good jobs for local workers
 - Training to support career advancement



Integrated Framework



Technical Report



**Workforce
Development Study**



**Implementation
Playbook**

Early 2023

Implementation Playbook

A resource for governments, businesses, and communities to reduce GHGs

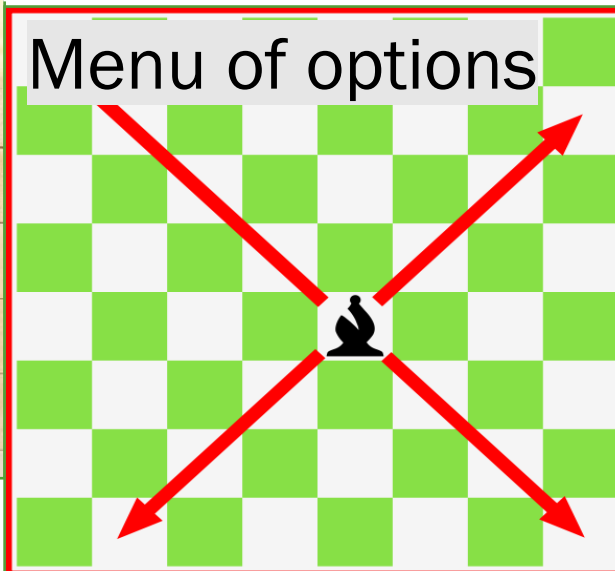
All measures in Climate Action Plans

Best in class for
each topic



Voluntary

Menu of options



Accessible

Public or private
organizations



Draft Implementation Playbook: Scale



Individual



Organization



Community



Region

Decarbonization Pathways



TRANSPORTATION



BUILDINGS



**FOOD SYSTEMS &
CIRCULAR ECONOMY**



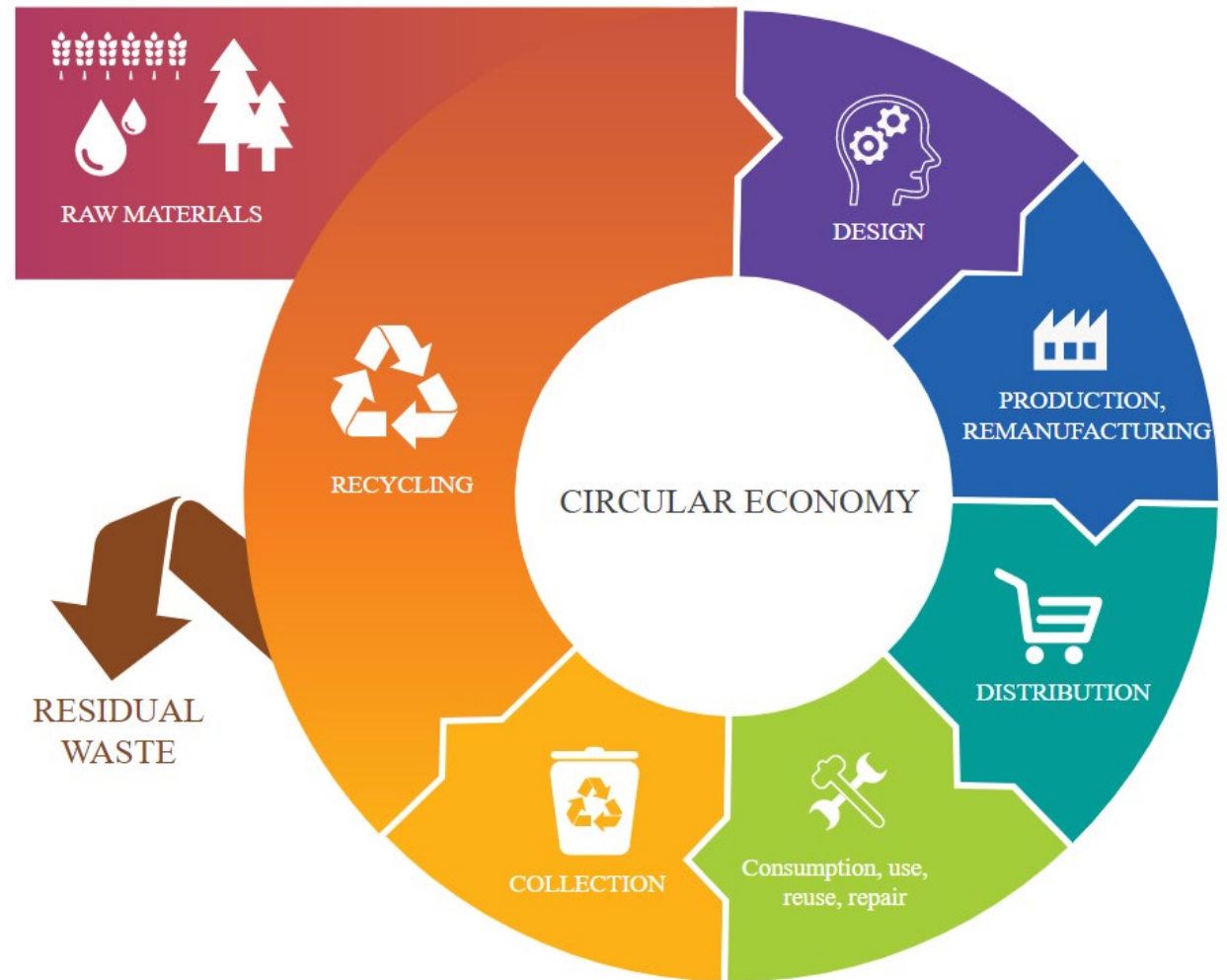
ELECTRICITY



**LAND USE & NATURAL
CLIMATE SOLUTIONS**

Food Systems & Circular Economy

- **Food System:** All aspects of food – from production to consumption and disposal
- **Circular Economy:** Reducing lifecycle impacts of materials, including climate impacts



Implementation Playbook - Examples



Buildings

- Better use of energy in existing buildings
[Community]



Electricity

- Develop a policy to require all new facilities and sites to include onsite renewable electricity generation
[Organization]



Food Systems & Circular Economy

- Encourage bulk purchase of food through programs or policies
[Organization]



Land Use & Natural Climate Solutions

- Regional forestry strategy with equity analysis
[Region]



Transportation

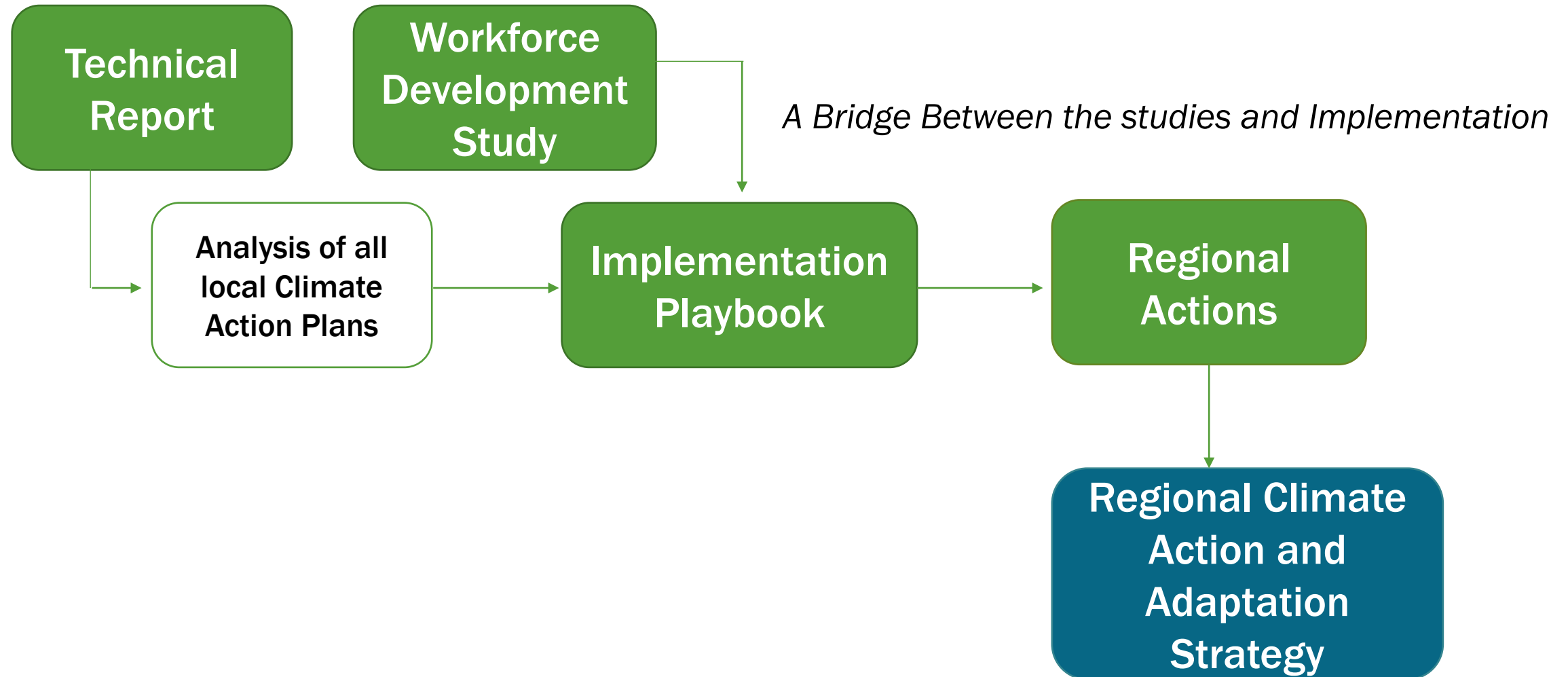
- Advocate for a common software platform to streamline EV charging
[Region]

Equity is Key to Implementation

- Ensure disadvantaged communities benefit from climate investments:
 - Install solar panels
 - Install electric vehicle charging stations
 - Investments in zero emissions and expanded transit
 - Replace residential natural gas systems with electric systems
 - Plant trees and green spaces
- Justice40 Initiative – federal climate investment spending goals
- Job inequities



Next Steps



Regional Climate Action and Adaptation Strategy

Regional GHG emissions tracking

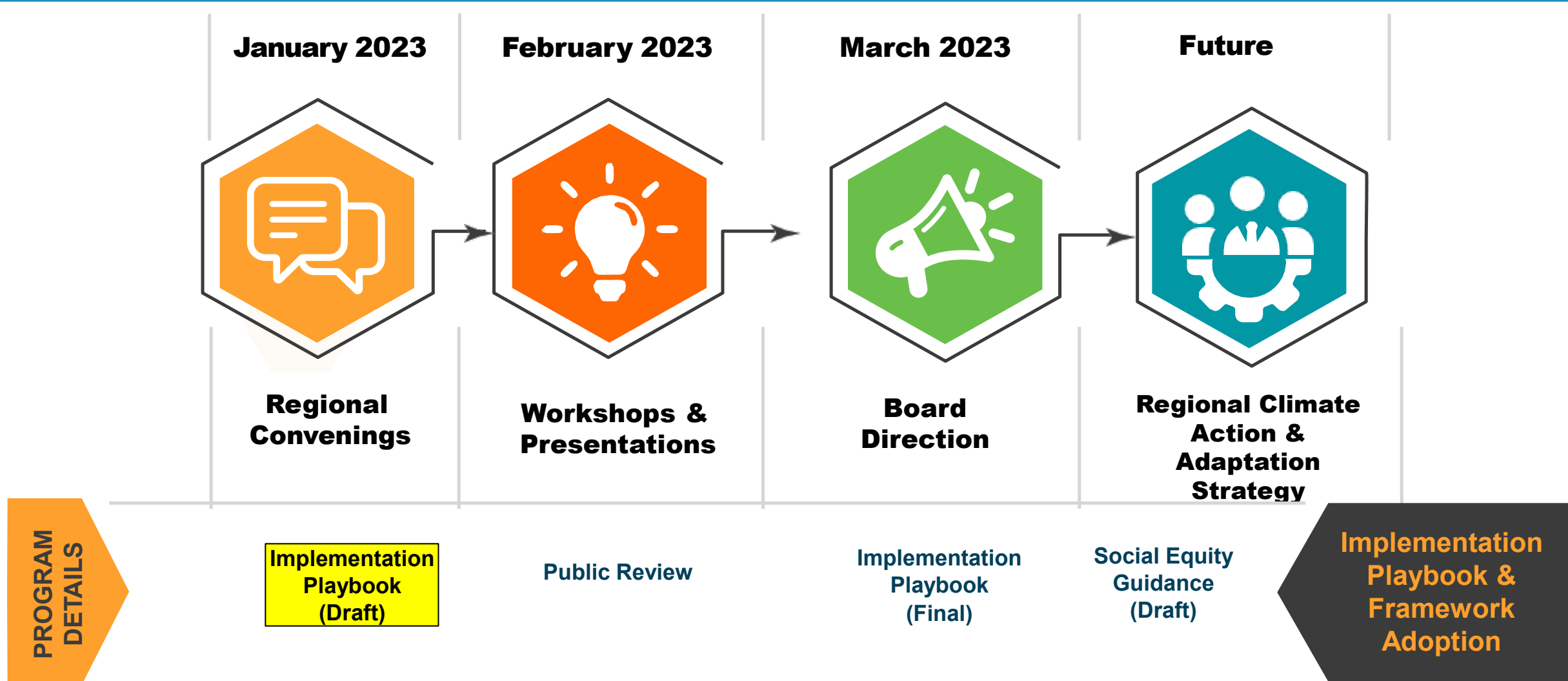
Social equity guidance

Regional hub for funding sources

Development of pathway strategies:

- Regional urban forestry
- Community solar
- Uniform building codes
- Locally grown and healthy food

Timeline



Call To Action – Your Role

www.engage.sandiegocounty.gov/rdf

- Ask a Question
- Add Idea
- Join the Conversation
- Stories
- News Feed

ZeroCarbon@sdcounty.ca.gov

- Email the RDF team
ZeroCarbon@sdcounty.ca.gov





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Office of Sustainability and Environmental Justice:

<https://www.sandiegocounty.gov/osej>

Regional Decarbonization Framework:

<https://www.sandiegocounty.gov/RDF>

Email: ZeroCarbon@sdcounty.ca.gov