Study, Market, Train and Showcase: Summary Deck Example

About: This slide deck was developed by Beacon Climate Innovations to introduce the concept of CCRHs to new audiences, including funders, municipalities, and technical partners. It outlines the opportunity for equitable clean energy infrastructure, defines what a CCRH is, and presents a high-level roadmap for development. The deck emphasizes both physical infrastructure (solar, battery, microgrid) and social outcomes (workforce development, equity, resilience).

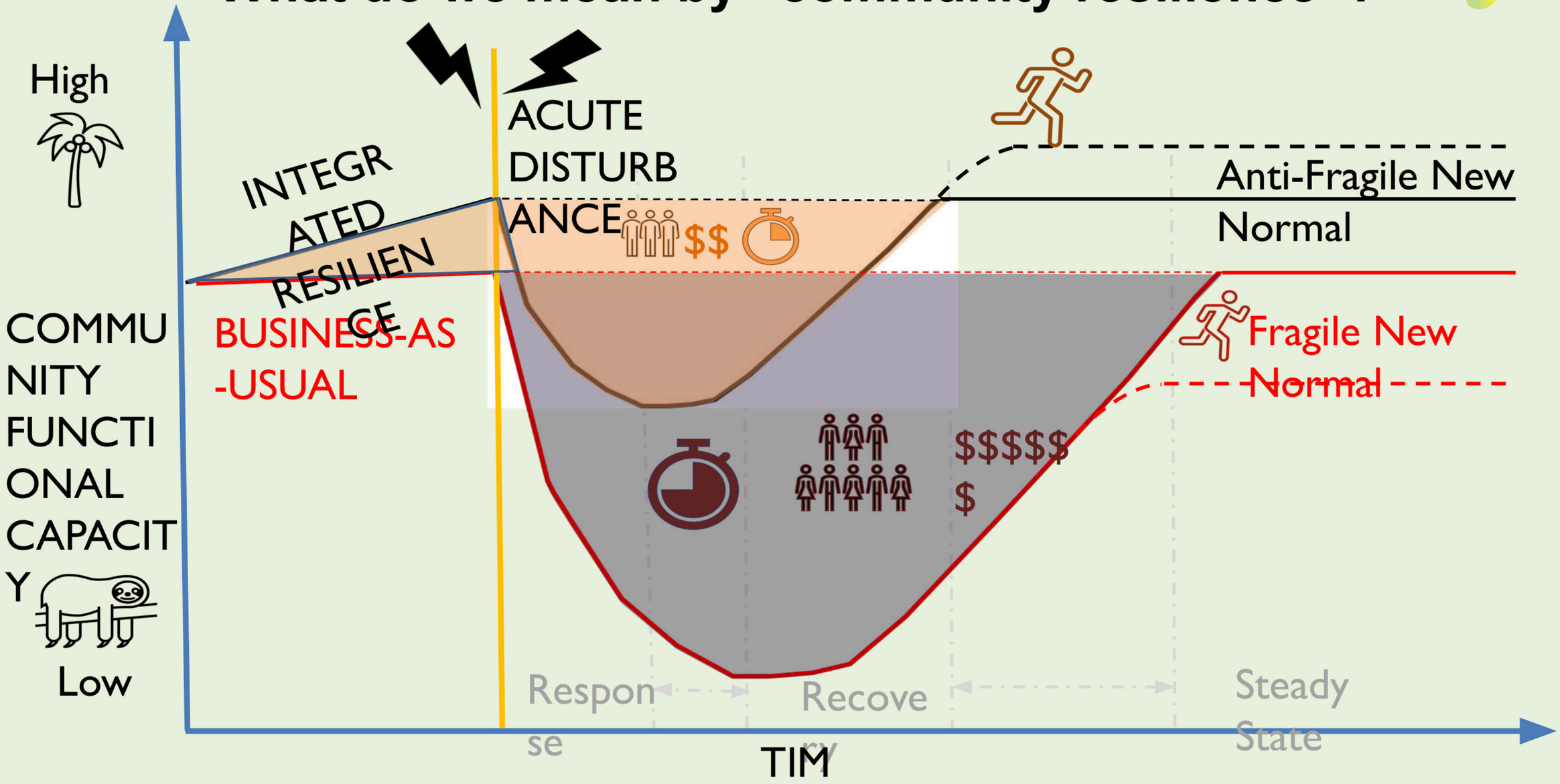
Usage Description: Use this example as a framework for your own CCRH summary deck. It's particularly useful for:

- Pitching your CCRH concept to potential funders or collaborators
- Educating local officials and community members about resilience infrastructure
- Structuring a short, visual story that ties together technology, community benefit, and process

BEACON CLIMATE

FUSING **CLIMATE TECHNOLOGIES** WITH **SOCIAL INNOVATION** TO DELIVER **RESILIENT COMMUNITY CLIMATE SOLUTIONS**

What do we mean by “community resilience”?

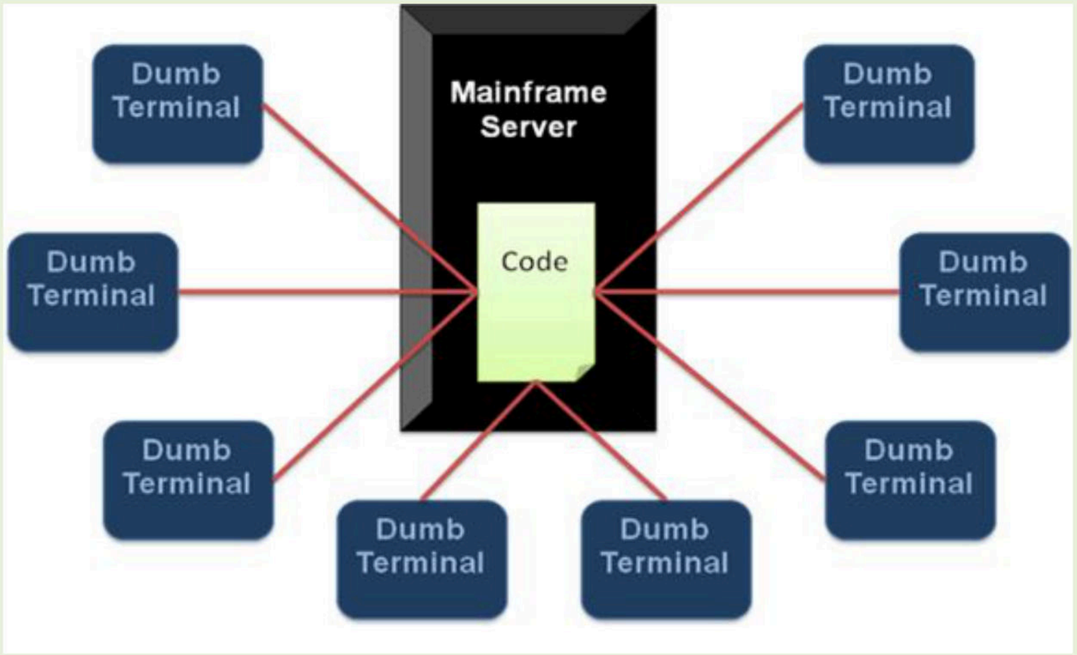


Sufficient planning & preparedness to quickly recover from disturbance stronger than before

BACKGROUND

The electric grid has been the nervous system of modern-day civilization – but is that still the case?

- Today it operates like a mainframe with dumb terminals



BACKGROUND

It has served its intended societies very well, but…

- …it created problems for future generations (e.g., GHGs)
- ..it exacerbated inequities
  - placed higher environmental and economic burdens on the most vulnerable societies
- …it's old and in desperate need of modernization
- …society is rapidly changing as it navigates trends like:
  - Diversity, Equity, Inclusion & Justice Movements
  - Climate Change and Decarbonization Challenges

The grid just hasn't evolved to best serve the needs and direction of todays societies.

THE VISION

Re-imagine an electric grid that …

- …is redesigned to do more than deliver electrons, but help address major societal challenges
- …operates more like the “Internet” with distributed resources (micro-grid) and cloud backup (macro-grid)
- …embeds a significant local content
- …enables a new form of local economic and workforce development – akin to local farmstands, breweries and crafts – but locally-produced clean electrons

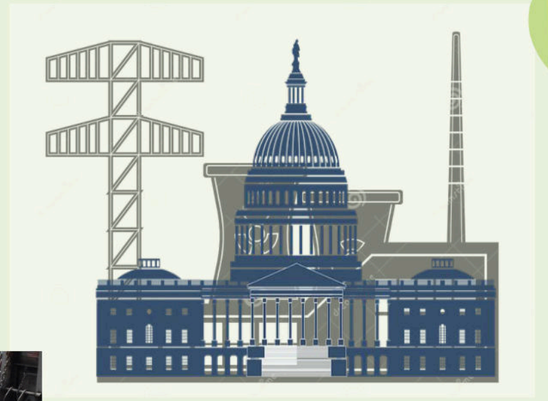
…is not just <u>for</u> the people, but <u>of</u> the people

After all, there will be trillions of dollars invested in it - coming from ratepayers and taxpayers. Shouldn’t we leverage all the investment as much as possible? Shouldn’t the benefits accrue equitably across society at large – and not just the few?

PROBLEM STATEMENT

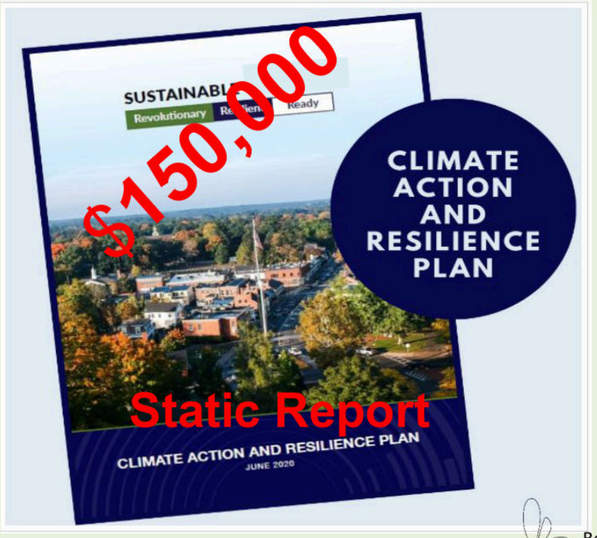
Today - most communities believe that they have little agency over their energy and climate destiny…

"This is the province of the federal government and major utility companies"



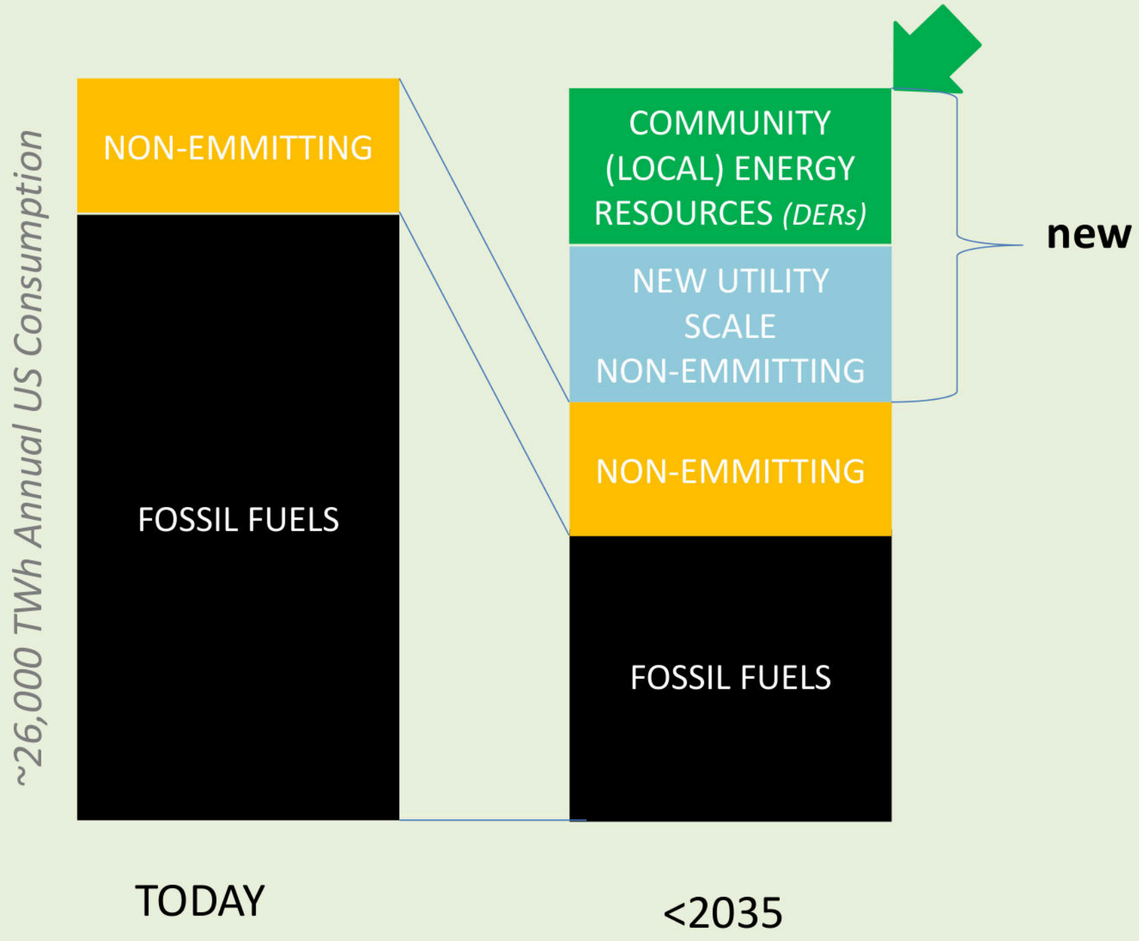
"We know how to fill potholes…taking on climate change and decarbonization is not in our wheelhouse"

"Only the wealthiest cities and towns can afford to do this."



OPPORTUNITY STATEMENT

...yet communities are sitting on significant untapped energy resource potential.



up to **50%** of **new** decarbonized energy sources

APPROACH

Fusing climate-technologies & best practices with social & financial Innovations

- **“Big Tent”** philosophy, building upon a rich, diverse network of thought leading and change making organizations in decarbonization and climate adaptation = **the “Crowd”.**
- Focus first on a developing the model around **a “Nucleus” opportunity** - a simple, tangible, replicable **project template** in representative city with high likelihood of trial success.
- In parallel - assemble the necessary set of tools (digital and analog) in **an accessible toolkit** to facilitate a successful trial into a **rapid chain reaction** of grass-root led successes

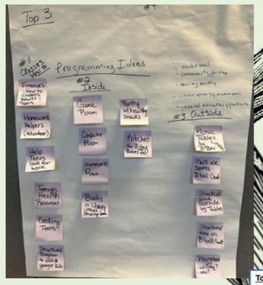
SOCIAL INNOVATION

Applying human centered design to form the connective tissue to community empowerment

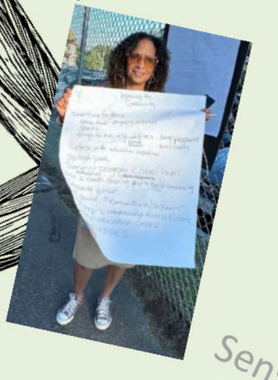
Trust Building

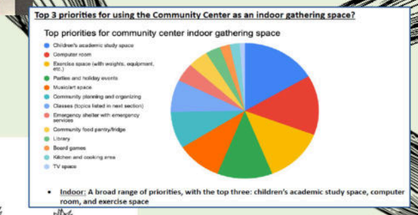
Intensive Community Engagement

Rigorous Listening

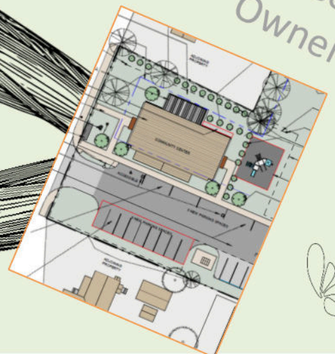


Iterative

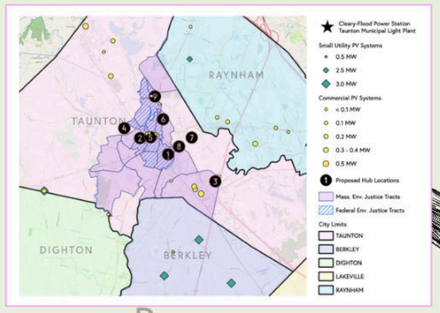




Sense of Ownership



Sense of Opportunity



Purpose

HAT ARE CLEAN ENERGY COMMUNITY RESILIENCE HUBS **CCRH's**?

CCRH'S ARE TRUSTED LOW, ZERO OR NEGATIVE CARBON FACILITIES WHERE COMMUNITIES GATHER FOR EDUCATION, DEVELOPMENT ENTERTAINMENT AND/OR GOVERNANCE WHILE ALSO PROVIDE RESILIENCY SERVICES IN TIMES OF DISTRUPTION

WHAT **TECHNOLOGIES** CAN BE FOUND IN CLEAN ENERGY COMMUNITY RESILIENCE HUBS CCRH's?

THIS IS JUST A SAMPLING OF THE COMMERCIAL ***TECHNOLOGIES*** ***THAT CAN BE USED IN A CCRH. MANY MORE ARE IN DEVELOPMENT. CONSIDER THIS THE "INTERNET OF ENERGY"***

CLEAN ENERGY COMMUNITY RESILIENCE HUB (CCRH) BENEFITS

- RESILIENCE – FASTER LOWER COST RECOVERY
- AGENCY - REDUCED DEPENDENCY ON EMERGENCY SERVICES
- COMMUNITY DEVELOPMENT - ENGAGING MEMBERS
- AWARENESS - CLEAN ENERGY EXAMPLE FOR INDIVIDUAL HOMES
- WORKFORCE DEVELOPMENT – NUMEROUS TRADES
- SYSTEM REDUNDANCY - LOWER RISK TECHNOLOGY PILOTING

WHAT'S THE **PROCESS** FOR DEVELOPING A CLEAN ENERGY COMMUNITY RESILIENCE HUB CCRH?

Sample Skills	Event Planning	Energy Auditor	Banker	Electrician	Microgrid System	Maintenance	Performance Assessment
Sample Tools	Survey Template	Cost Estimate Template	"Appeal" Template	Contract Template	Technical Specifications	Manual	Survey Template(s)

Retrofit

Community Based Organization
Municipality

New Construction

Sample Skills	Program Mgmt.	Architect	Grant Writing	General Contractor	Photovoltaic	Landscaping	Videographer
Sample Tools	Fiduciary Assignment Template	RFP Template	Funding Resource List	Project Plan Template	Performance Evaluation Training	Shading Assessment Tools	TCO Analysis

THE PROCESS IS AS IMPORTANT AS THE FACILITY ITSELF

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TOOLS FOR THE TOOLKIT

CEERUM™
"Roadmap"

R&E I C
Resilient Energy & Infrastructure Consortium
"Crowd"

PowerOptions

ALIGN
"Network"

necec
Your Partner in the Clean Energy Economy
"Guidelines/Guidance"

GREEN ZONE
"Community Model"

A Proud Member of Greentown Labs
"Tech Hub"

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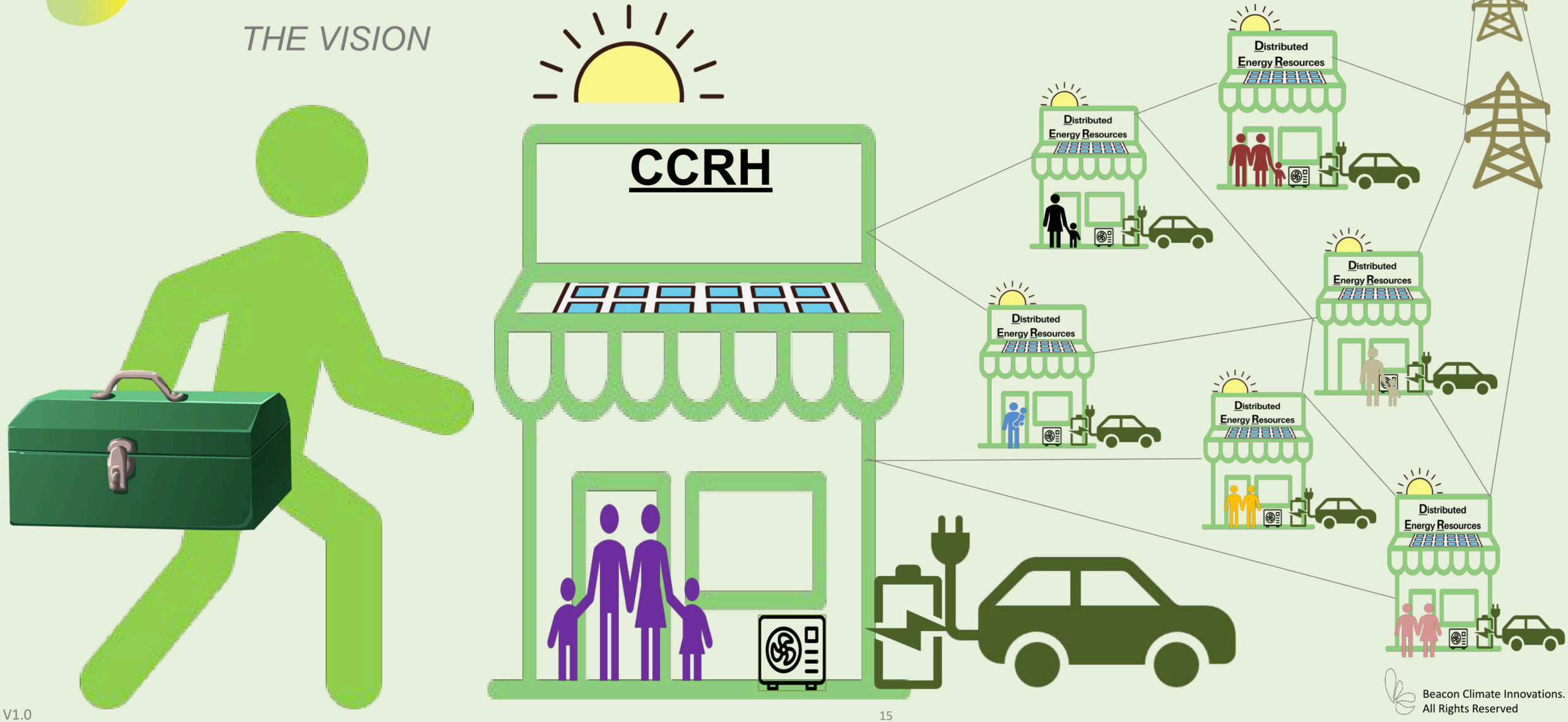
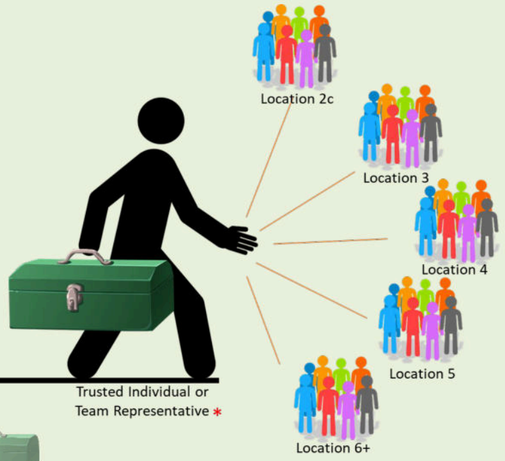
THE VISION

Tailored toolkits that enable communities to re-imagine their relationship with their energy resources



BEACON CLIMATE

Tailored toolkits for communities to reimagine their relationship with their energy resources



- Diversity, Inclusion Equity & Justice
- Local Economic Development
- Lower Environmental Impact
- Local Workforce Expansion
- Community Resilience
- Climate Adaptation
- Decarbonization

R & E I C Resilient Energy & Infrastructure Consortium

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necec Your Partner in the Clean Energy Economy

PowerOptions

V1.0

CEERUM™

BEACON CLIMATE

CEERUM is an evolutionary tool for municipalities to holistically **assess** their **clean**, **local** energy resource potential in the new **decarbonized** and **resilient** community energy economy.

Community

Energy

Efficiency

Resource

Uniform

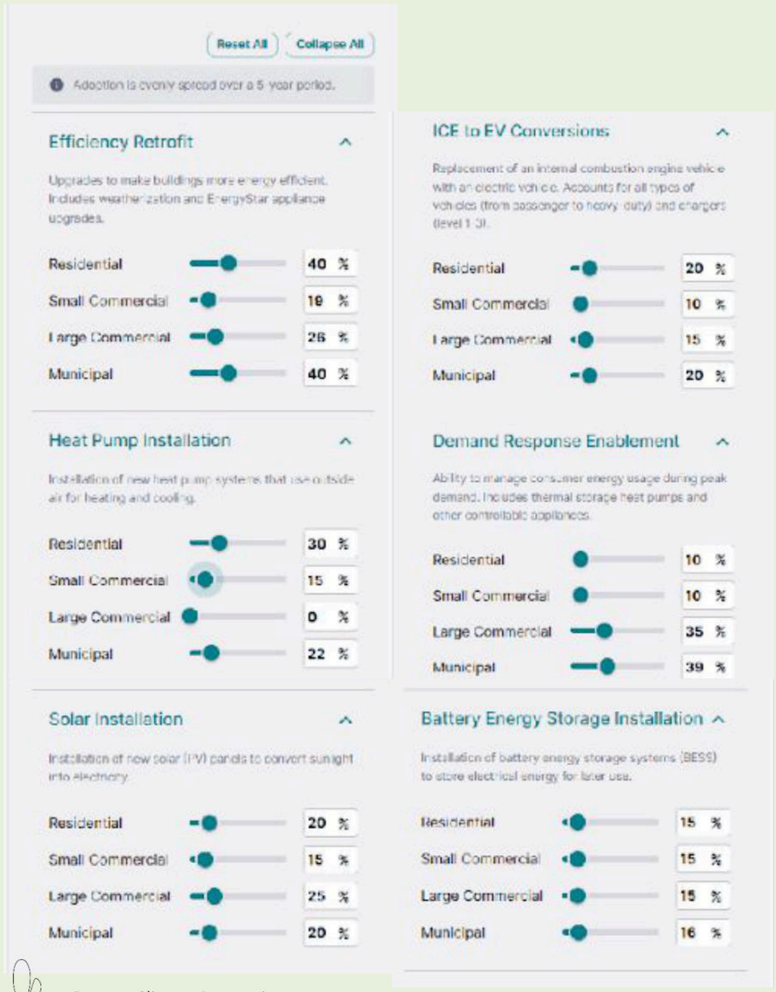
Mapping

There's No Place Like Home

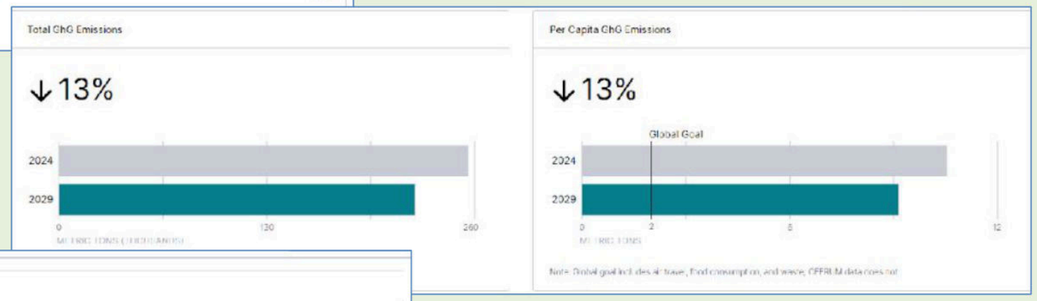
Sign up TODAY to be part of the solution

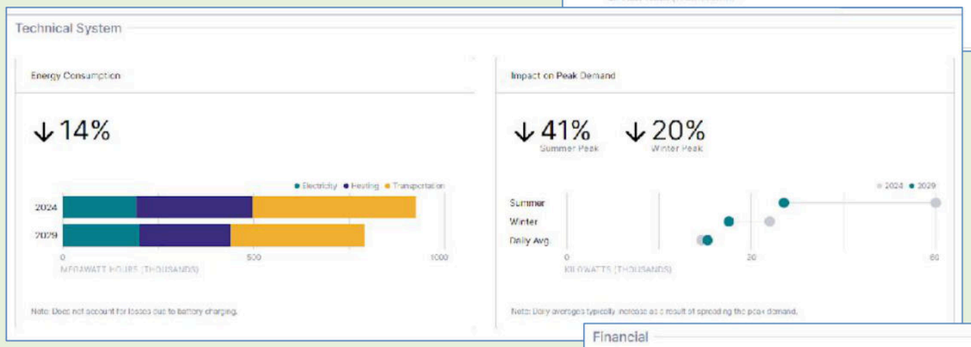
CEERUM™ Municipal Road Mapping Tool

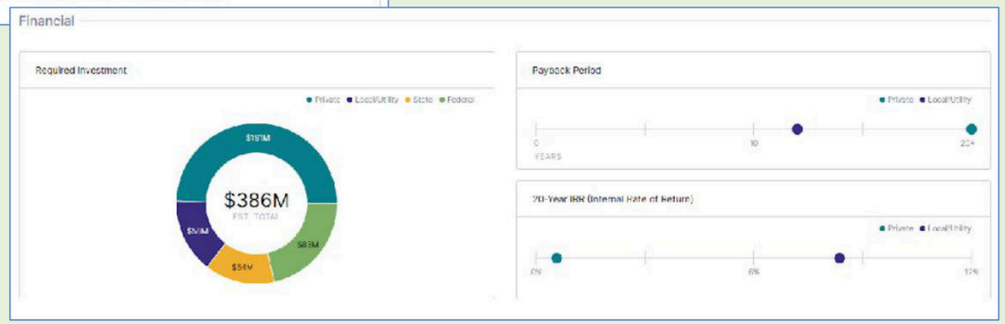
1. Set adoption rates



2. View projected impact







ALIGN

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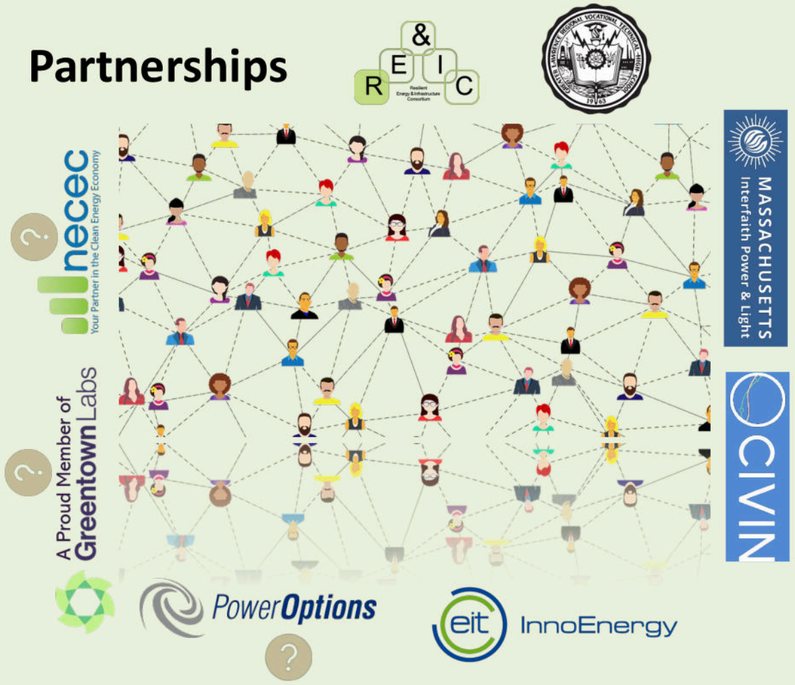
Is a program that connects a diverse and nascent climate workforce to real climate projects that build experience, showcase technology, spurs local economic activity and forges community trust

Partnerships



Sovations

WORKFLOW TECHNOLOGY WORKFORCE

Library

Process

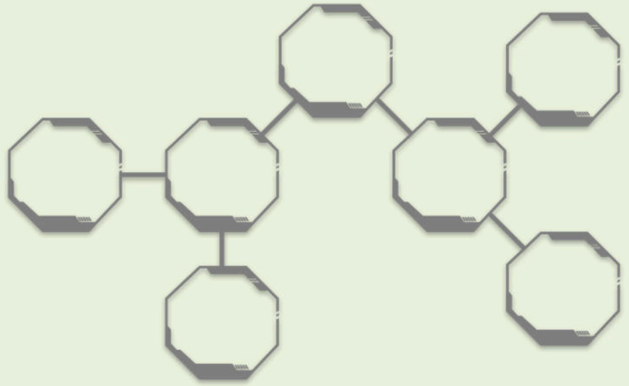
Technologies

Projects

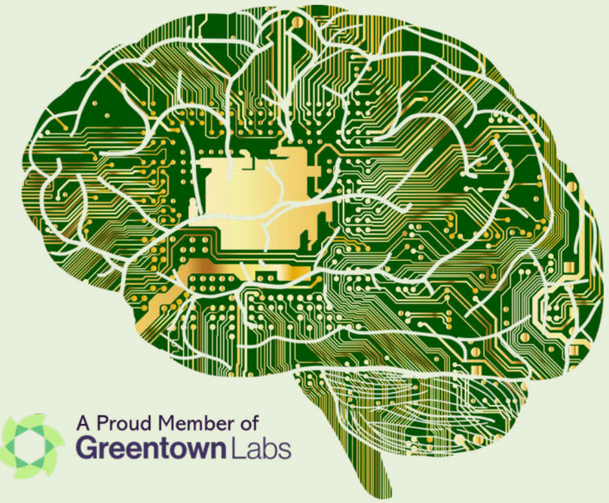
“ALIGN REFERENCE LIBRARY”

BEACON CLIMATE

Connecting a diverse climate workforce with real climate projects



Sign up TODAY to be part of the ALIGN Resource Reference Library



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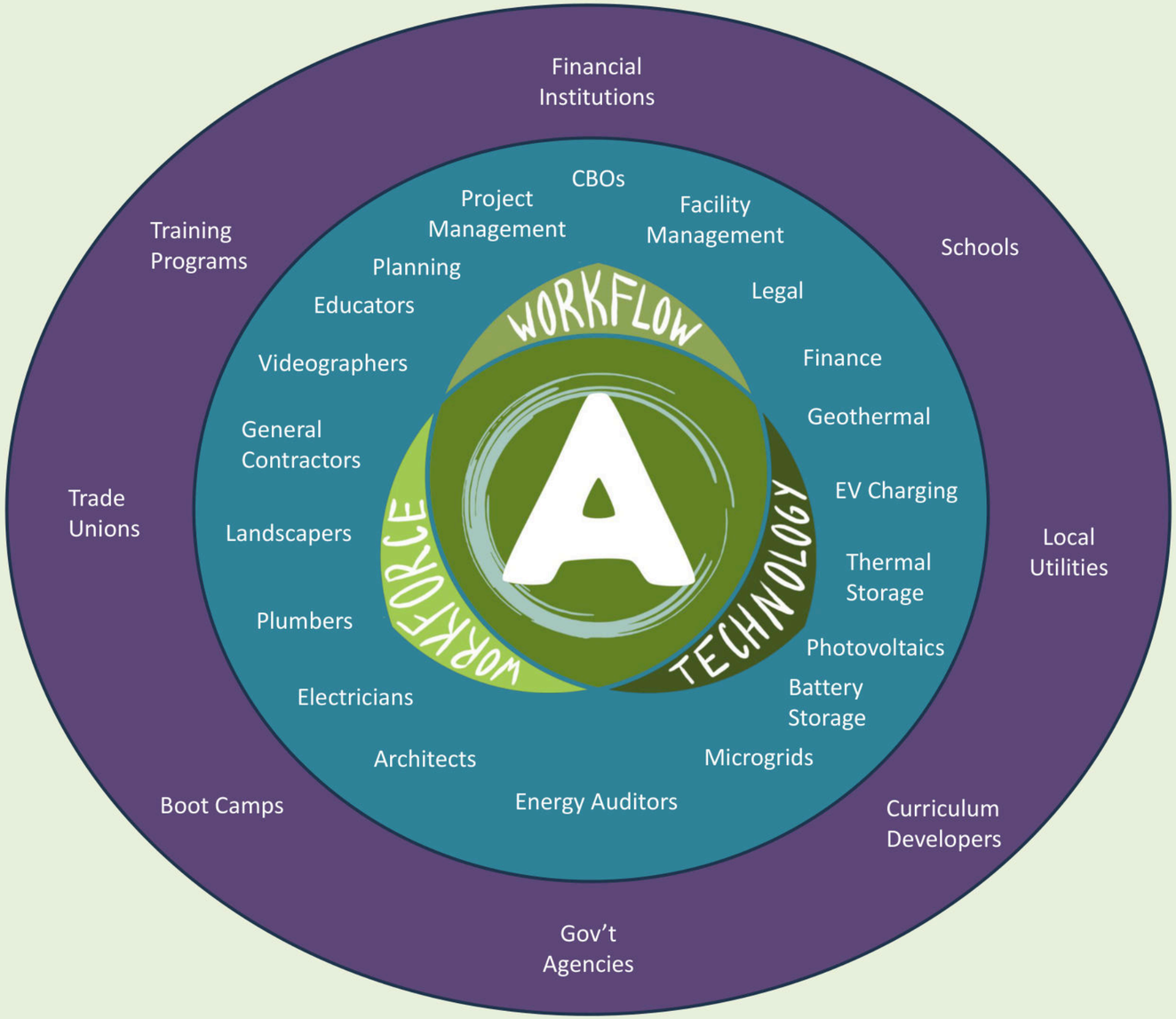
ALIGN REFERENCE LIBRARY

ECOSYSTEM



- Implementers –Direct Users – Integral to Library
- Feeders - Guidance – Library Feedback Loop

Sign up TODAY to be part of the ALIGN Resource Reference Library

GGHMS Green Zone Project Objectives

"Climate solutions are interconnected as a system, and we need all of them. The notion of "silver bullets" has persistent appeal—"what's the one big thing we can do?"—but they simply don't exist for complex problems such as the climate crisis. A whole system of solutions is required. Many climate solutions combine and co- operate, leveraging or enabling others for the greatest impact. "

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Sign up TODAY to be part of the solution

For more information on CEERUM™, align, RE&IC, greenzone and other initiatives that we are involveD with -

Please e-mail us at support@beaconclimate.com or visit www.beaconclimate.com