



Community Energy
Association



Change Makers Dialogues

Episode 5

Peter Robinson

2016 – 10 – 25

Making change with Community Energy Planning, reflections on experiences so far

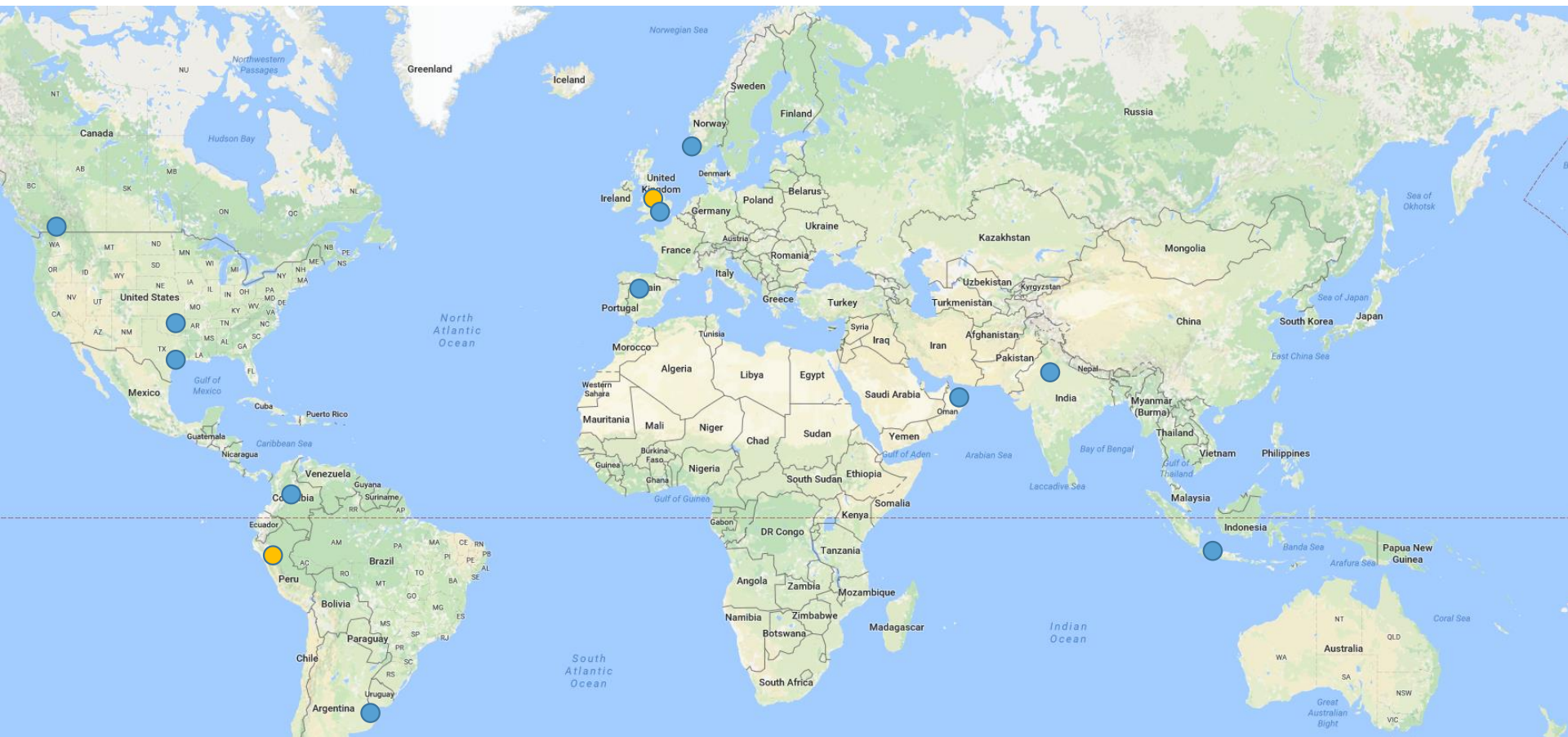
& introduction to the Getting To Implementation Framework

Its all about implementation now, so its also time to figure out how best to make that happen

Collaboratively explore, share, and make visible our collective experience creating change so that we can individually all be even better at skillful interventions

Not about one right answer. More about exploring a complex space through discussion of experiences

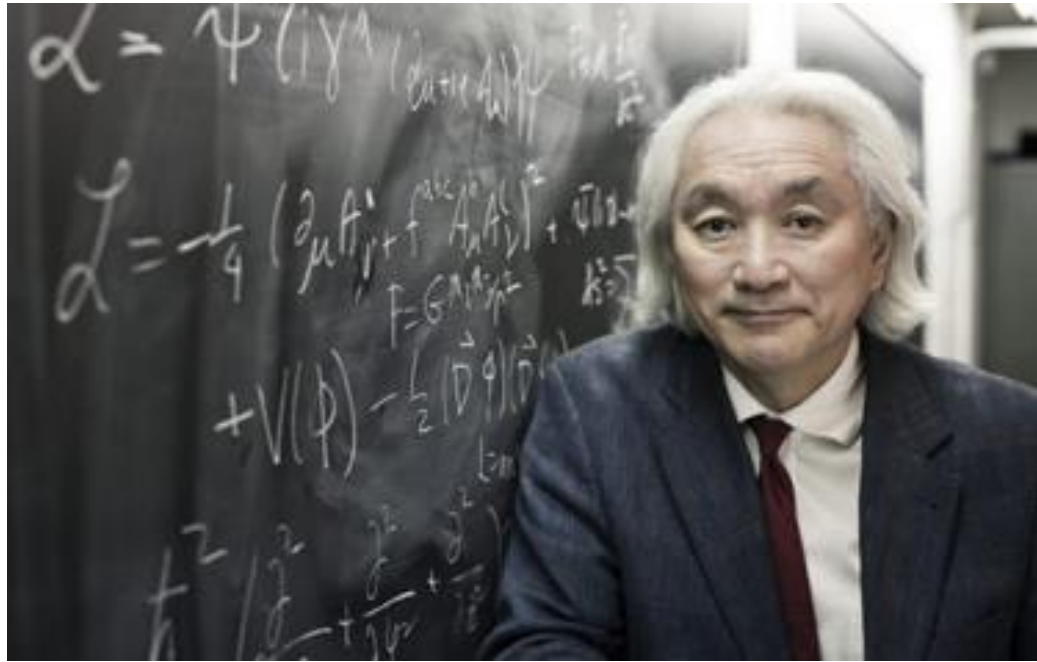
Eyes wide open?



Eyes wide open?



Eyes wide open?



Eyes wide open?

- Make conclusions slowly, after a lot of evidence
- Is there anything else the evidence could be pointing towards?
- It doesn't necessarily matter if the evidence points away from "common sense"
- Try to ensure that any conclusion, opinion, or assertion, is never *primary*
 - (the thing you are looking at, *that* is primary)

Experience in energy planning - CEA Delivery by the Numbers

Communities Served

70

Guides & Publications

40

Energy Diets

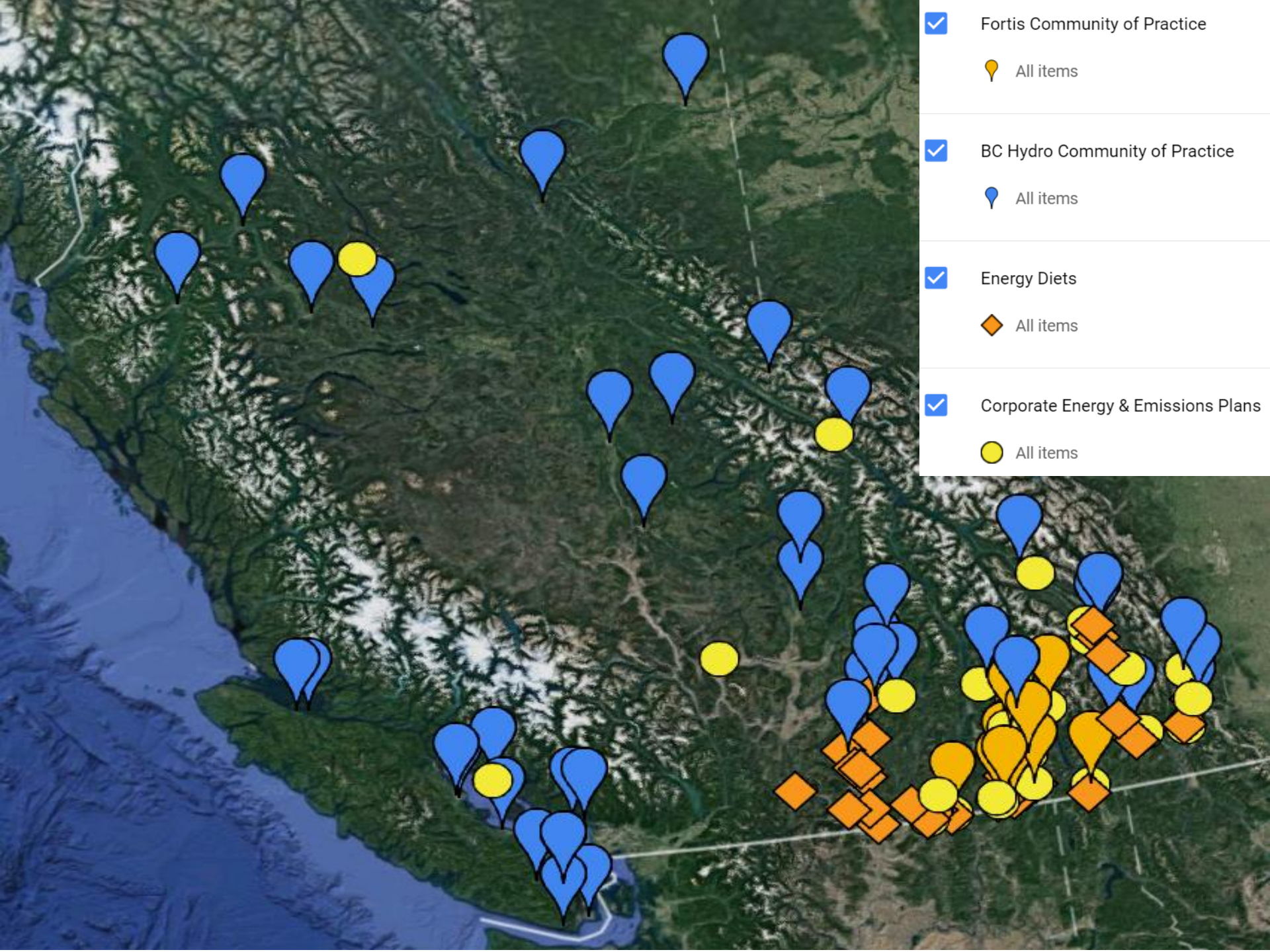
30





Community Energy & Emissions Plans

55, 46%

Carbon Neutral Action Plans

30



- Fortis Community of Practice
 -  All items
- BC Hydro Community of Practice
 -  All items
- Energy Diets
 -  All items
- Corporate Energy & Emissions Plans
 -  All items

Plus - a couple of major research projects

1. CEEP Research project, 2010-2011
2. Getting To Implementation, 2014-2016



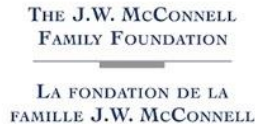
COMMUNITY
ENERGY PLANNING
**GETTING TO
IMPLEMENTATION**
IN CANADA

	CEEP Research	Getting To Implementation
CEEPs reviewed	30	50
Interviews conducted	23	33
Analysis & further work	++	+++++

About the Getting to Implementation Initiative

- National initiative focused on accelerating CEEP implementation in Canadian communities
- GTI is open source - all resources are available at www.gettingtoimplementation.ca and are intended to help communities move CEEPs from a vision to implementation

Project supporters



Project partners



Where are communities getting hung up?

3 main areas:

1. Getting started

- *Lack of political and staff support*

2. Keeping going after the first dash

- *Lack of resources*

3. Maintaining momentum, long-term, in the face of political and staff turnover

- *Lack of institutionalization / embedding*

Where are communities getting hung up?

1. Perceptions
2. Resourcing
3. Institutionalization

The Community Energy Implementation Framework

- A guide intended to help communities move CEEPs from a vision to implementation
- Contains 10 strategies that provide advice on:
 - Political, staff and stakeholder engagement
 - Staff and financial capacity
 - Embedding energy into local government plans and processes
- Accompanied by an Implementation Readiness Survey



Obtaining buy-in: the value proposition for CEEP implementation



COMMUNITY ENERGY PLANNING:
The Value Proposition
Environmental, Health and
Economic Benefits

EXECUTIVE SUMMARY
FEBRUARY 2016

www.gettingtoimplementation.ca



Corporate & Community

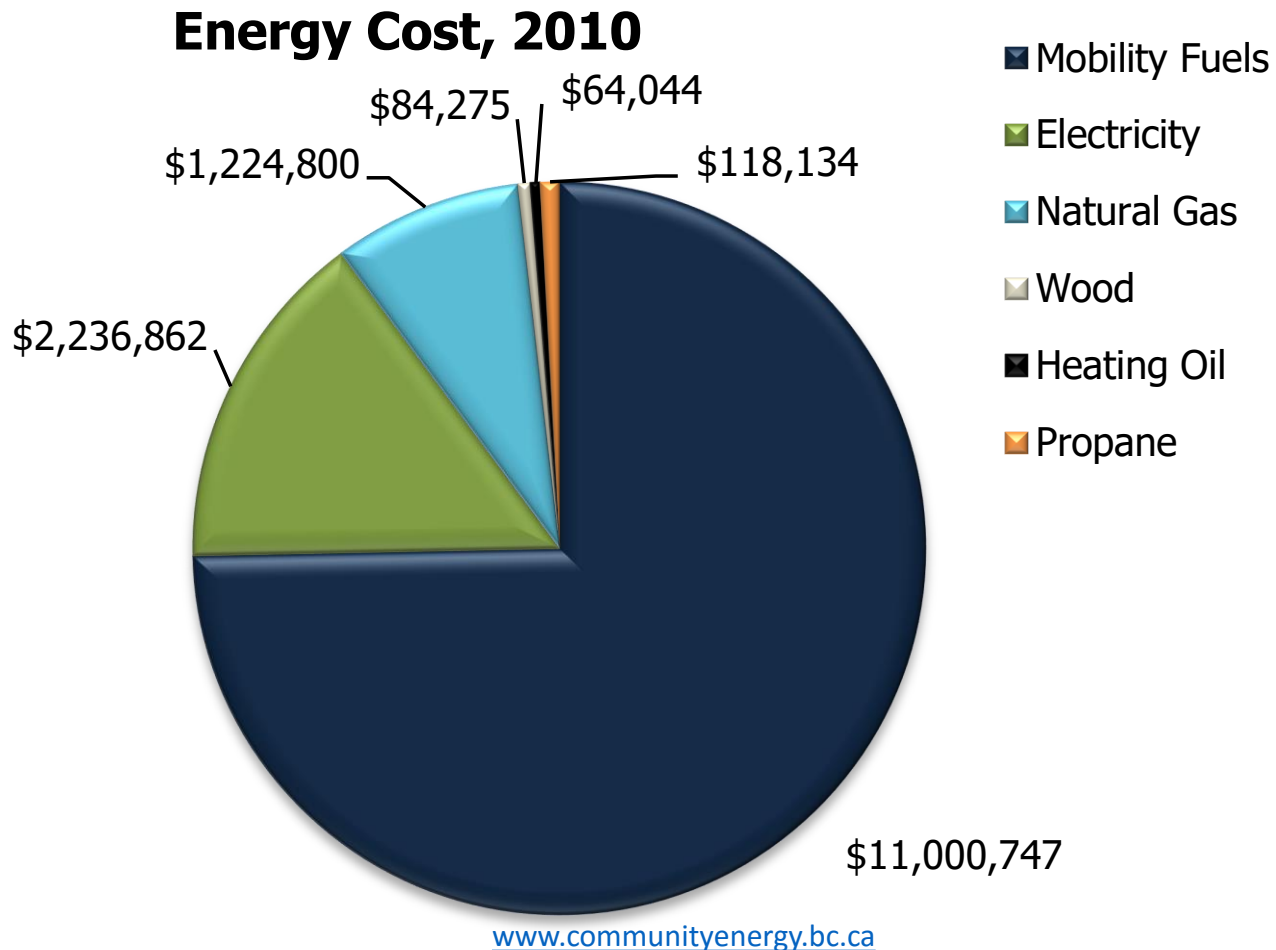
- More efficient:
 - Buildings
 - Vehicles
 - Infrastructure



- Reduced taxes / pressure on municipal budget
- Reduced infrastructure costs
- Fewer energy dollars being exported from the community
- Green economic development opportunities
- More resilient, efficient, and competitive community
- PLUS – other co-benefits: better air quality, healthier community, etc.

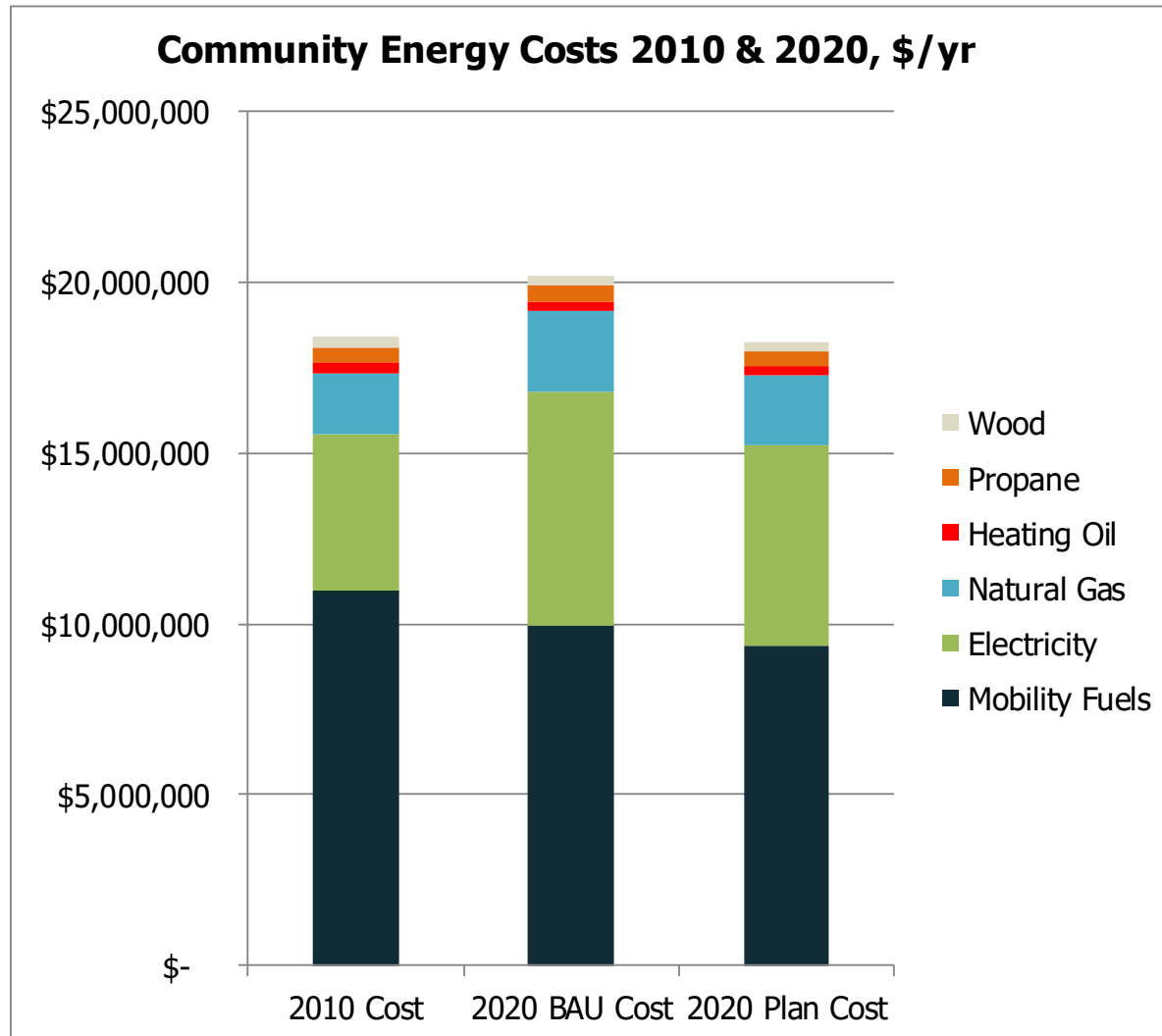
Obtaining buy-in: Focus on money

- Burns Lake – Energy dollars being exported each year
- \$15 million per year for a community of 2,160 people
- Approximately \$6,900 per person per year



Obtaining buy-in: Focus on money

- Implementing Grand Forks' CEEP will keep \$2M/yr in the community just from exporting fewer energy dollars (approx. \$500/person/yr)



Enderby biomass district energy system: local government perspective

(Approx 8 customers. \$1.2 million capital cost, 100% privately funded – no grants or subsidies. 540kW biomass boiler)

- \$'00,000's local community investment at start up
- \$'0,000's recycled in community per year
- Additional investment from future expansions
- Reduced & stabilised energy bills for customers, & eliminates carbon tax payments – good for local businesses
- Job spin offs & tax revenue from above
- Potential to divert wood waste from landfill, lowering taxes
- 425 t/yr GHG reductions, ~2.4% community total
- LG pool connection – Climate Action Charter, & reduced pool costs
- Quiet & unobtrusive

Williams Lake: waste heat opportunity



Williams Lake: waste heat opportunity

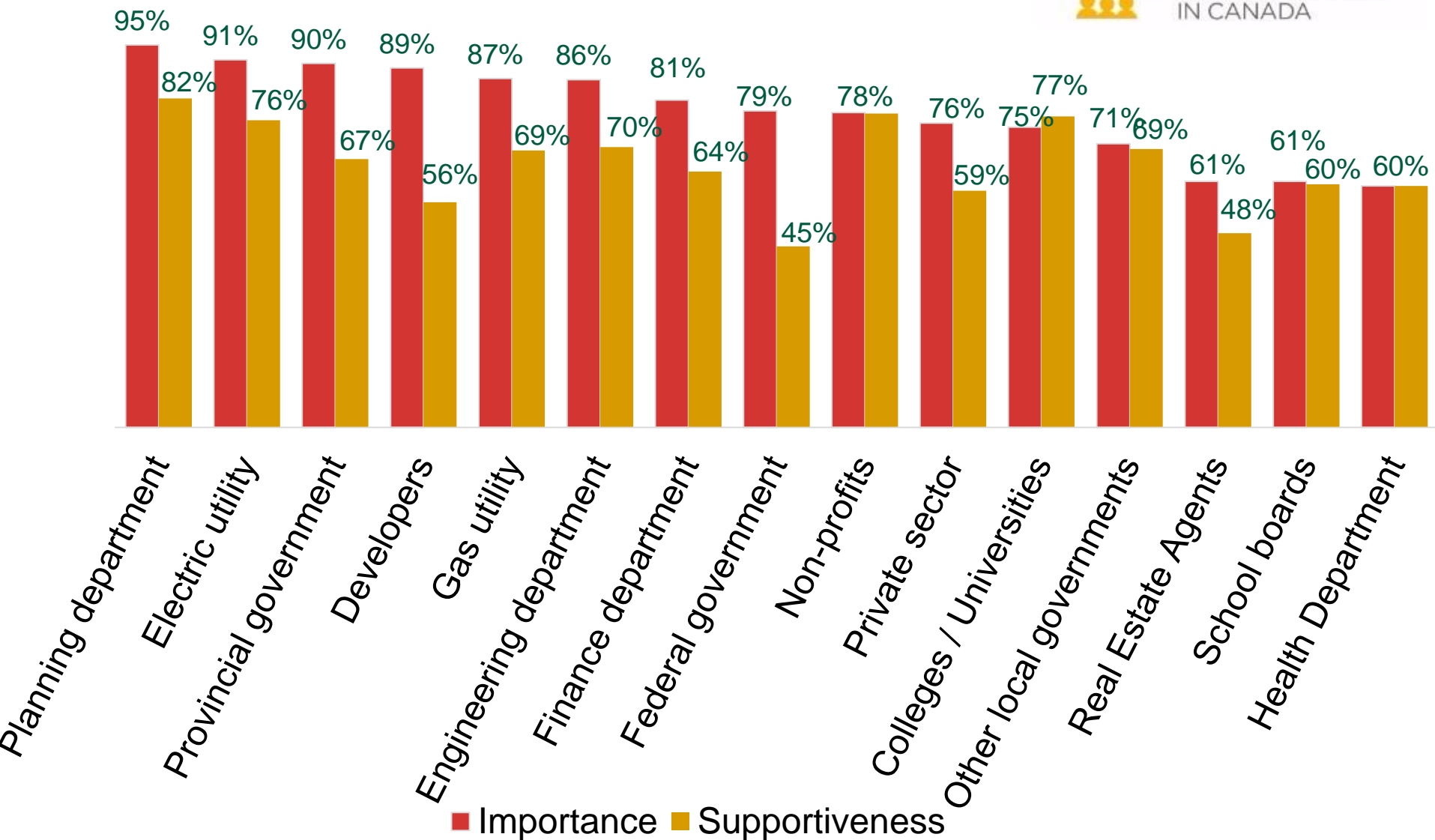
- Encourage future development to recover waste heat from the biomass power station
 - Scale of waste heat production is colossal
 - Waste heat produced likely ~6 million GJ per year, or almost 6 times the TOTAL energy consumption of all buildings in WL (excl. large industry)
 - Retail value of waste heat would be around \$30-60 million per year.

In a community of 11,000 people!

Stakeholder Support vs Importance for CEEP Implementation



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How climate action links to economic development

- Exporting fewer energy dollars, e.g.:
 - Energy efficiency, electric vehicles, renewable / district energy
- Purchases of energy locally, e.g.:
 - Local bioenergy or waste heat
- Reduced municipal infrastructure capital & operating costs
 - Through smart growth
- Attracting & retaining businesses, e.g.:
 - Through availability of lower cost heat with district energy
- More workforce opportunities
- Green community branding

How climate action links to economic development

- Vibrant downtown / community
 - More businesses
 - Greater walkability
 - Cleaner air
- More resilient community
 - Reduced energy purchases, therefore reduced sensitivity to energy price rises
- More competitive community
 - Cheaper energy, potentially lower taxes
- Improved municipal finances, e.g.:
 - More businesses to tax
 - Leases on rights-of-way for district energy systems
 - Extending landfill lifespan through organics diversion
 - Reduced municipal energy costs through leading by example

Institutionalizing / embedding a CEEP for longevity

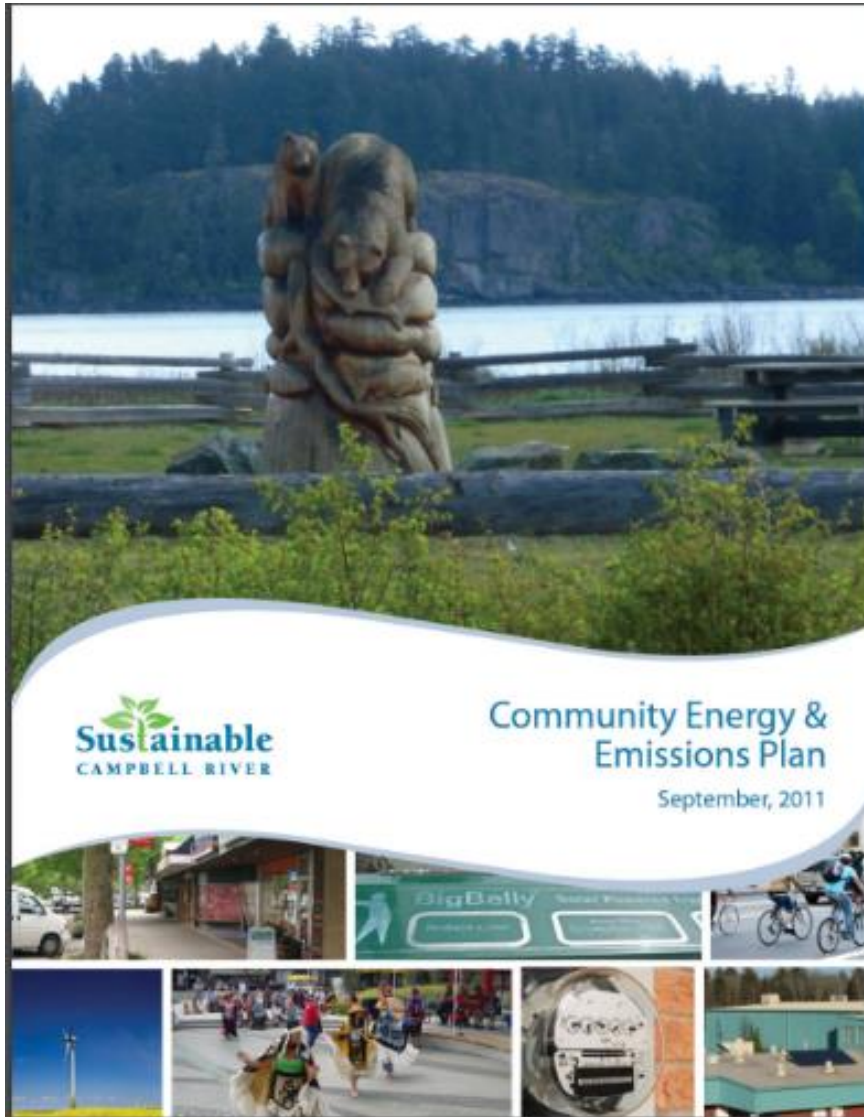
Incorporating	Budgeting	Monitoring	Convening	Reporting	Renewing
<p>Incorporate into other planning docs:</p> <ul style="list-style-type: none"> - Transportation plan - Solid waste plan - Sustainability plan - Strategic plans 	<p>Incorporate into budgeting process</p>	<p>Monitor implementation, e.g.:</p> <ul style="list-style-type: none"> - KPI's - Indicators for specific departments 	<p>Regular formalized meetings to discuss implementation, e.g.:</p> <ul style="list-style-type: none"> - Mayor's Task Force - Committees of Council - Staff committees - Community committees 	<p>Regular reports to Council, e.g.:</p> <ul style="list-style-type: none"> - Integrated with reporting on other plans 	<p>Prepare for plan renewal every 3-5 years</p>

Campbell River: GTI in-depth pilot



- One of the 3 GTI pilot communities
- November 2015 - September 2016
- In-depth support from CEA & QUEST

Campbell River: GTI in-depth pilot



The Challenge:

- Adequate political support
- *Excellent* staff support

But:

- Insufficient resourcing to maintain a staff position
- Compounded by political turnover
- Old CEEP and successes were being forgotten



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Campbell River: GTI in-depth pilot



Images: City of Campbell River

What we did:

- Raised profile of the old CEEP & previous successes
- Recommendations on long-term resourcing (funding a staff position)
- Recommendations on institutionalization:
 - Monitoring of secondary indicators
 - Regular reporting to a committee of Council
 - Budgeting process
 - Incorporation into job descriptions

The Community Energy Implementation Framework - Beta

<http://framework.gettingtoimplementation.ca/>



The Community Energy
Implementation Framework
Beta

The Community Energy Implementation Framework is a guide to help communities move Community Energy Plans from a vision to implementation.



The Implementation Readiness Survey

- A diagnostic tool that allows communities to assess their level of readiness for CEP implementation
- Contains 27 factors that impact implementation
 - The Community Energy Plan
 - Community Context
 - Management and Governance
 - Staff and Financial Resources
 - Stakeholder Engagement



To get the most out of the Framework, communities are encouraged to complete the Community Energy Implementation Readiness Survey.

The Implementation Readiness Survey is a self-evaluation tool to assess the degree to which critical success factors are in place to support CEP implementation. Communities that complete the survey will receive a customized list of implementation strategies to consider.

[Take the Readiness Survey](#)

[Or view the Framework without taking the survey.](#)



The Implementation Readiness Survey



The Community Energy
Implementation Framework
Beta

Survey Instructions

Read the following implementation factors and indicate the extent to which you agree or disagree with the factors on a scale of 1 - 5.

The Plan

Factor 1: The CEP vision and benefits are clear and able to inspire local leaders, local government staff and com



Factor 2: The number, diversity and interdependence of actions in the CEP is manageable.



Factor 3: The CEP energy and greenhouse gas emission targets, and actions, are specific, measurable, attainable, relevant and time-bound.



Factor 4: There is clear understanding among those leading the CEP about the risks associated with not implementing the CEP.



Survey Results

Thank you for taking our survey.
Your responses and our recommendations are below, and a copy has been emailed to you.

First Name - Sarah
Last Name - Marchionda
City - Toronto
Province - Ontario

Factor 1: The CEP vision and benefits are clear and able to inspire local leaders, local government staff and com
You answered: Strongly Disagree

Based on that, here's our recommendation:
If your community does not yet have a CEP, refer to [Appendix I for a list of resources](#) to get started.

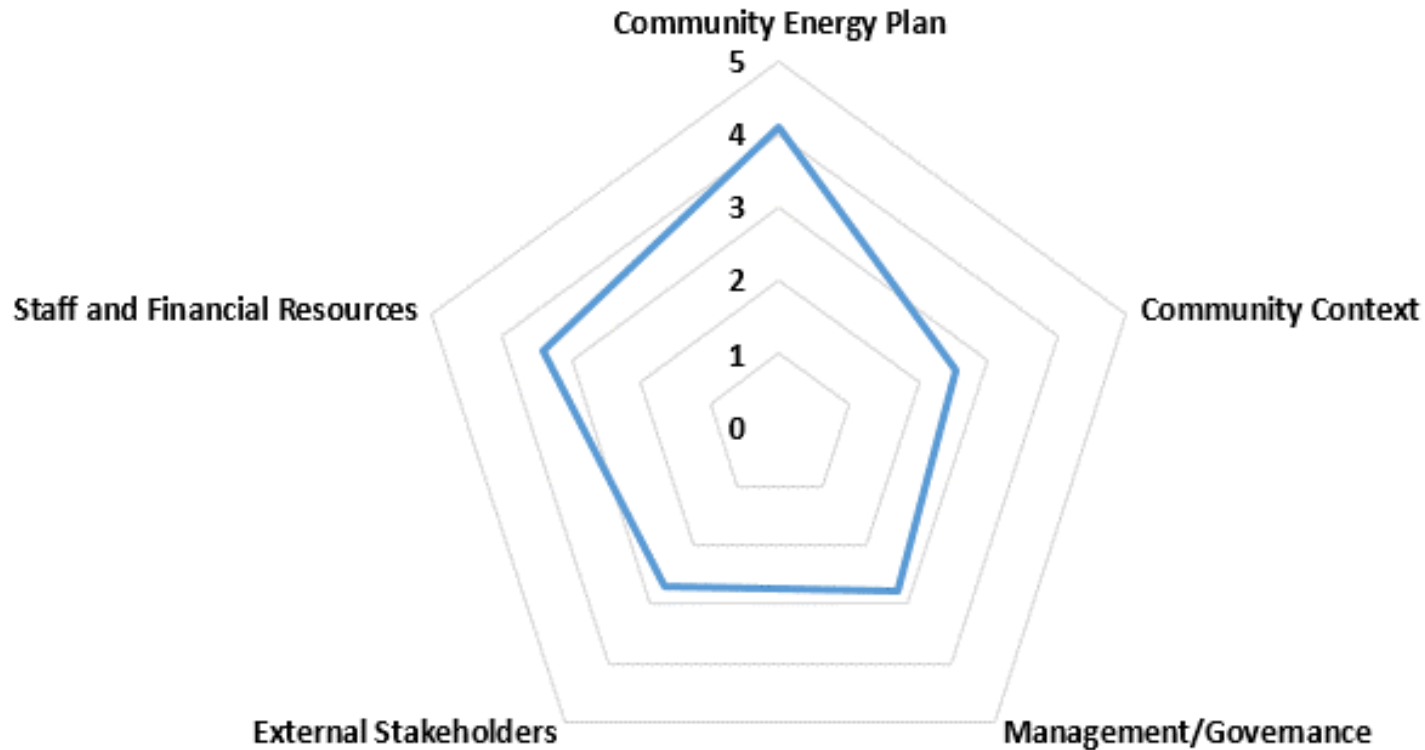
Factor 2: The number, diversity and interdependence of actions in the CEP is manageable.
You answered: Strongly Disagree

Based on that, here's our recommendation:
[Strategy 1](#): Develop a compelling rationale for undertaking the CEP
[Strategy 2](#): Collaborate with a political champion and engage council
[Strategy 8](#): Monitor and report on CEP implementation
[Strategy 9](#): Develop an implementation budget and work within your means

The Implementation Readiness Survey

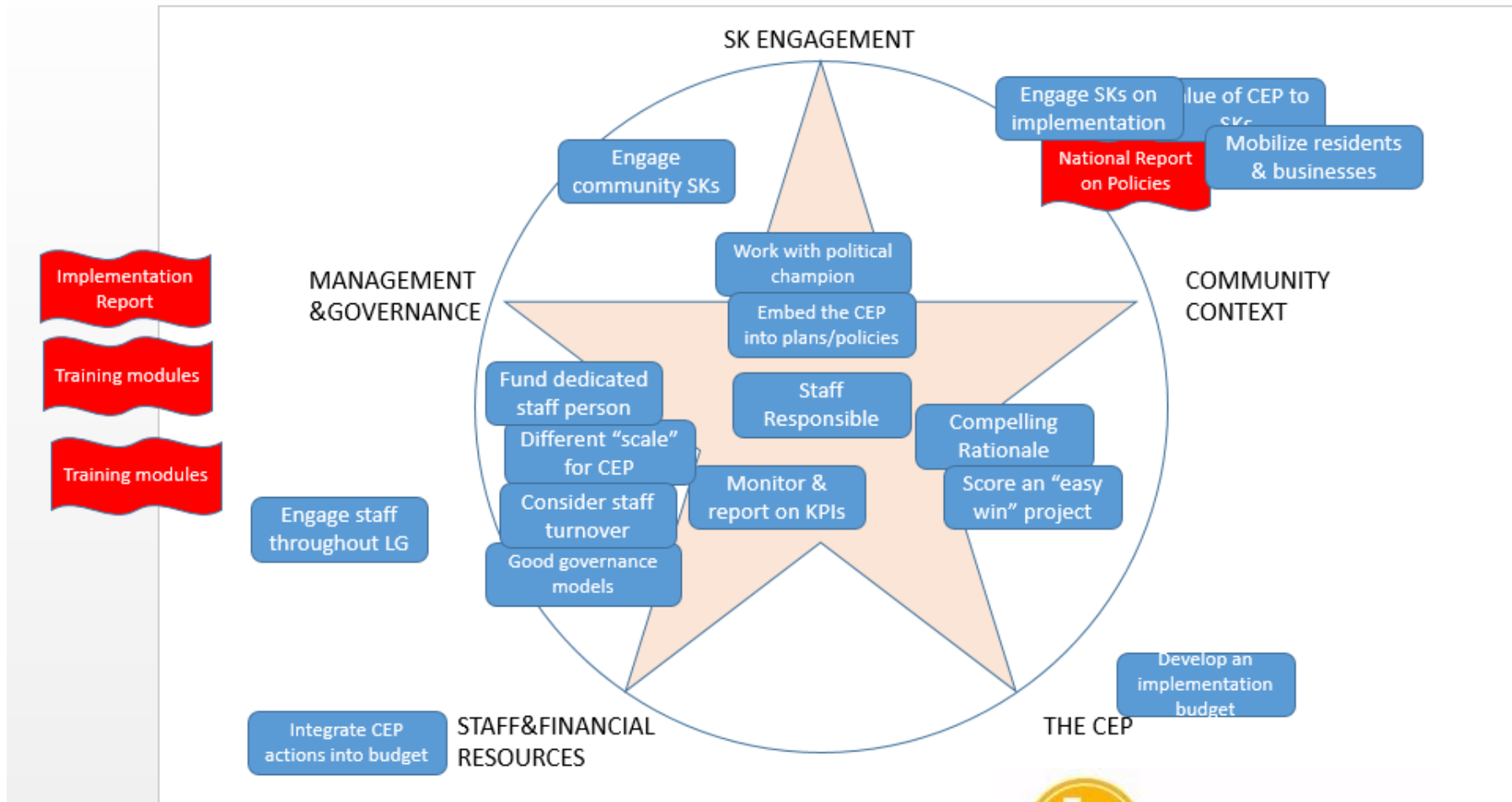
Diagnosis:

Community Energy Plan Implementation Readiness



The Implementation Readiness Survey

Prescription:



Summarising

- We have gathered a lot of experience & knowledge on this file
- We have a pretty good idea of how to help communities implement their CEEPs
- The Getting To Implementation Framework (beta) is the best summary of our knowledge and our partners' knowledge on this file to date
 - Check it out! We'd love to have your feedback!
- *But*, we should never:
 - Stop learning
 - Think we have all the answers
 - Close our minds