



Implementation Advisory Committee

IAC – April 16, 2026

Welcome & General Updates

Meeting Objectives

- Share updates on the 2035 CECP process and early works-in-progress, including the Decision-Making Framework
- Solicit key inputs for CECP scenario design

Agenda

- | | |
|----------------|---|
| 2:30 pm | Welcome
<i>Undersecretary Katherine Antos</i> |
| 2:45 pm | 2035 CECP Updates
<i>EEA and the Consensus Building Institute (CBI)</i> |
| 3:15 pm | Decision-Making Framework
<i>EEA and CBI</i> |
| 3:35 pm | Key Inputs for CECP Scenario Design
<i>IAC group discussion</i> |
| 4:45 pm | Public Comment |
| 4:55 pm | Next Steps |
| 5:00 p | Adjourn |
-

2035 CECP Updates

CBI Consultant Team

Consensus Building Institute



Elizabeth Cooper
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and Co-Facilitator*



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*Project Co-
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*Buildings Stakeholder
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Expert*



Ben Eskin
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StarLuna



Marcos Luna
*Senior Advisor on
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Isidor Studio



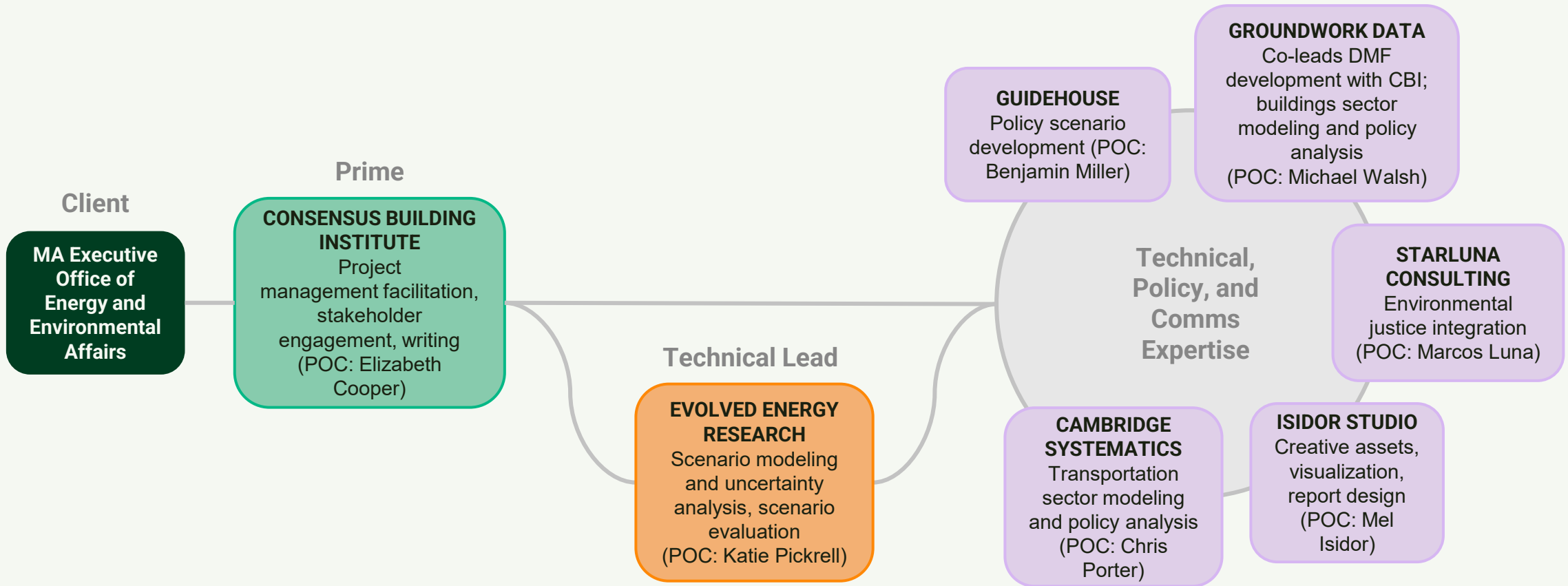
Mel Isidor
*Graphic Design
Lead*

Guidehouse



Benjamin Miller
*Senior Advisor on
Climate and Energy
Policy & Program
Development*

Team Organization



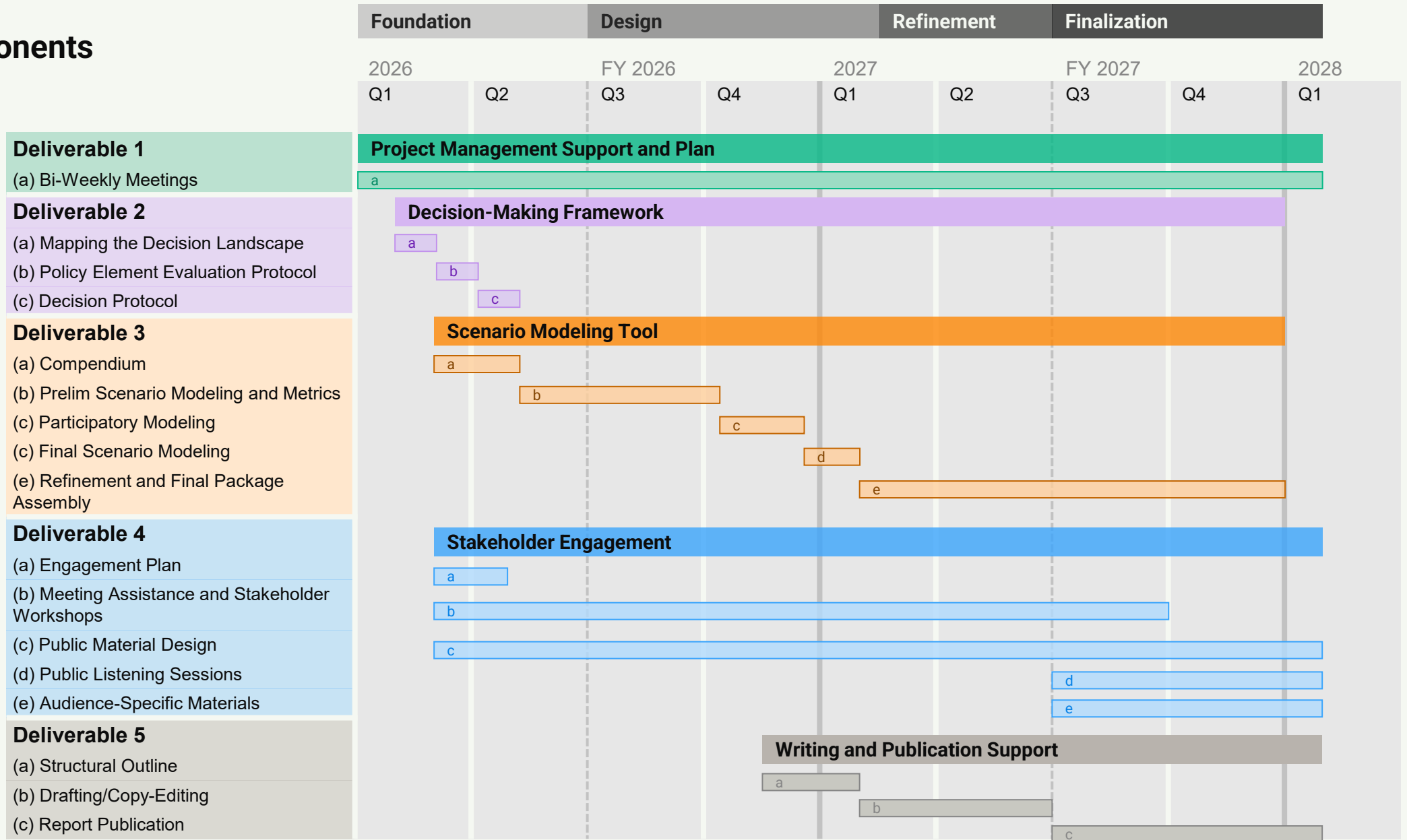
Principles Motivating Our Approach

Our ultimate goal is **real world action** to achieve legislative mandates. The CECP process and technical work are **the means** to build policy and stakeholder alignment, **not ends**.

“Facilitation forward” approach

- A.** Defining problems with, not for, stakeholders
- B.** Stakeholder engagement informs process and outcomes
- C.** Integrating cross-cutting priorities from the outset
- D.** Ongoing, reciprocal stakeholder communication
- E.** Recognizing and wrestling with difficult tensions, tradeoffs, and questions
- F.** Clarity and transparency on the approach, decisions, and outcomes

Project Components and Timeline



Ongoing Activities

Current

- **Decision Tools:** Developing the Decision-Making Framework and Compendium of technologies, policies, uncertainties, and indicators (due mid-May)
- **Modeling:** Defining reference scenarios and modeling tools (due April–May)
- **Stakeholder Engagement:** Conducting stakeholder interviews; developing engagement plan (due mid-May)

Upcoming

- **Modeling:** Defining evaluation metrics and policy scenarios for modeling (end of May)
- **Stakeholder engagement:** Stakeholder meetings, workshops, and communication (ongoing)

Stakeholder Questions

Priorities & Indicators

(Now – May)

- Beyond reducing greenhouse gas emissions, what priorities should guide the CECP?
- What indicators and metrics can best measure these priorities?

Scenario Design

(Now – May; additional refinement Q3-Q4)

- In light of these priorities, what are the most important opportunities, tensions, or questions about MA decarbonization that the CECP process should shine a light on or try to answer?
- How will we shine a light on or answer these opportunities, tensions, and questions (e.g., through our choice of modeling scenarios, additional research, stakeholder engagement, etc.)?

Preferred pathway

(Q3-Q2 2027)

- Given what we've learned, what pathway/policy package best advances our priorities and balances tradeoffs?

Input will inform EEA decision making throughout the process

Update on Decision-Making Framework

Why create a Decision-Making Framework?

- **Integration:** Map relationships between coinciding initiatives
- **Transparency:** Clarify what we are aiming for
- **Legitimacy and buy-in:** Co-define priorities, metrics, and approaches
- **Multi-solving:** Ensure consistent and robust treatment of all options against priorities

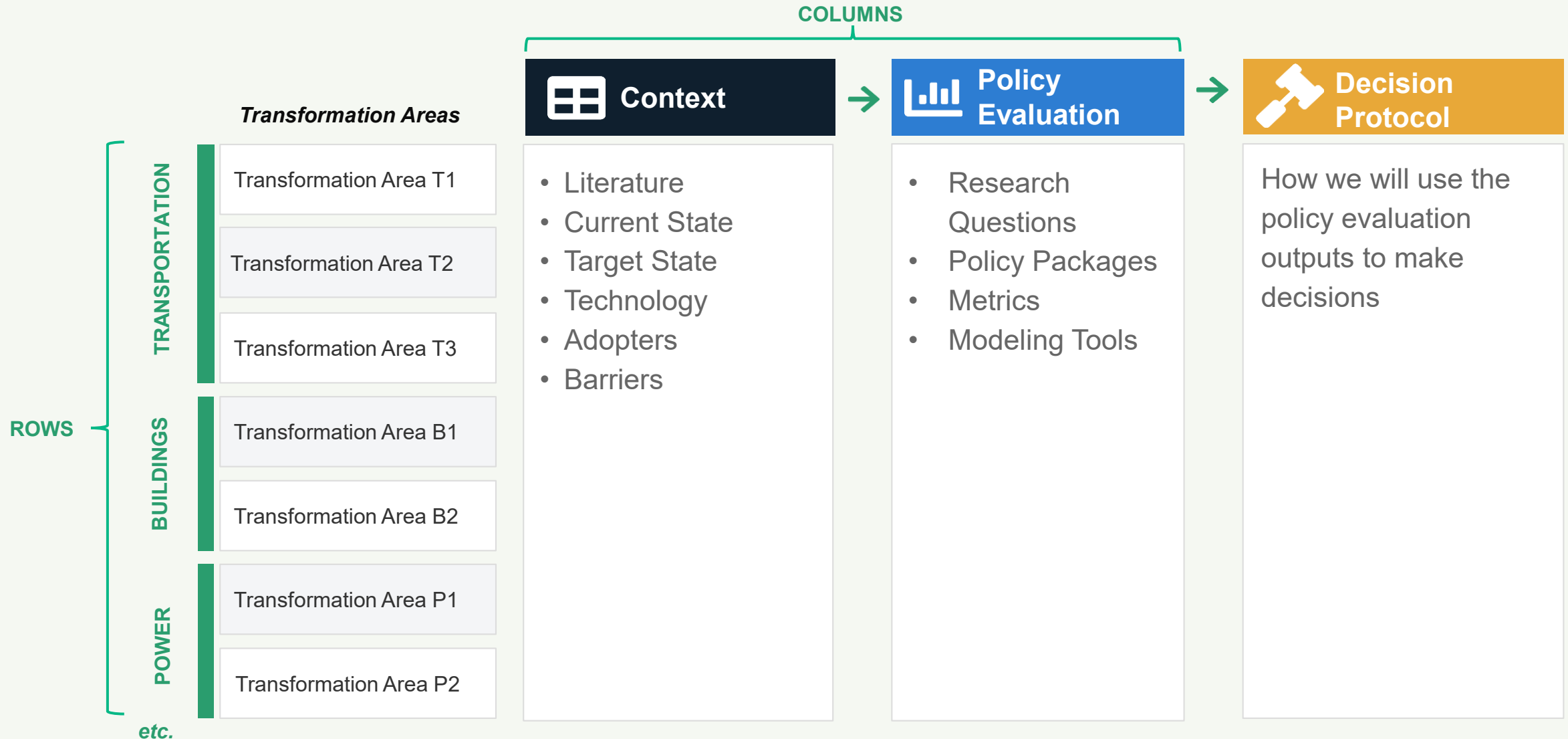
Transformation Areas: the Building Blocks of the DMF

For the 2035 CECP to be effective, it must identify:

1. The change needed to realize greenhouse gas emissions reductions
2. The challenges associated with that change, and
3. The policies and initiatives intended to address those challenges

To effectively identify these items, we need a structured approach to discussing, analyzing, and evaluating approaches within each sector.

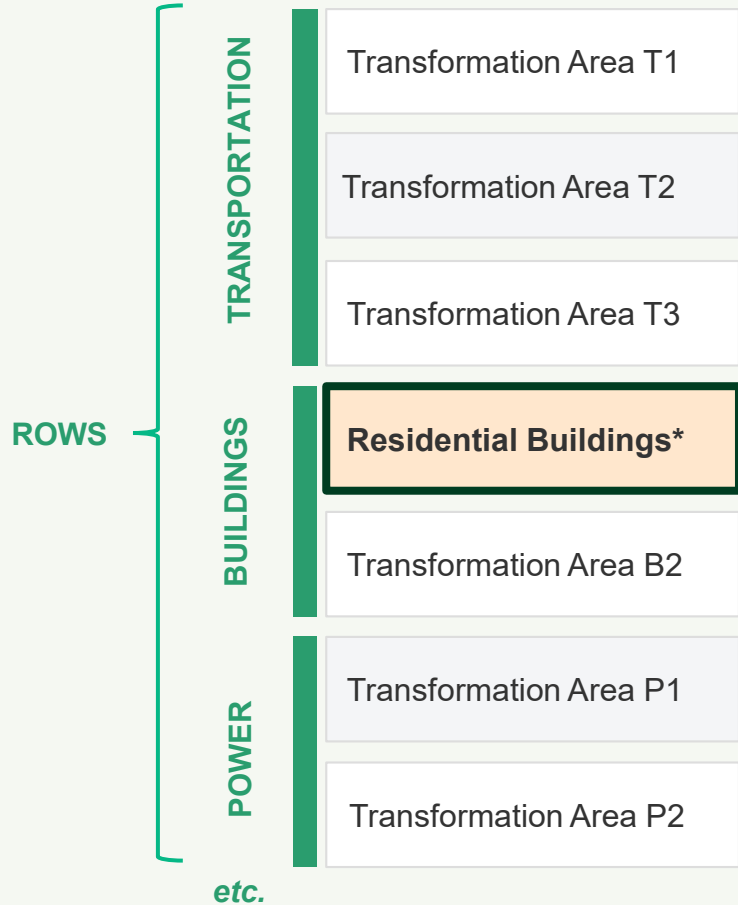
Vision for the Decision-Making Framework



Vision for the Decision-Making Framework

Context

Policy Evaluation



- **Literature**
 - Building Decarbonization Clearinghouse Report
- **Current state**
 - 134,000 households with heat pumps as primary heating installed by Mass Save since 2020
- **Target state**
 - 1,385,000 households with full or hybrid heat pump systems in 2035 in the 2050 CECP
- **Technology**
 - Air & ground source heat pumps
 - Heat pump water heaters
- **Adopters**
 - Single family home-owners – oil / propane heat
 - Renters & owners in multi-family buildings – gas heat
- **Barriers**
 - Tenant / owner split incentives
 - Upfront cost of whole home heat pump installation and associated electrical upgrades

- **Research Questions**
 - Can geographically targeted approaches deliver more cost-effective results than broad-based programs?
- **Policy packages to analyze**
 - Geographically targeted transition zones — coordinated electrification and gas decommissioning in priority areas
- **Metrics**
 - Heat pump installations
- **Modeling Tools**
 - Evolved Energy Research EnergyPATHWAYS Model

*This transformation area and associated context and policy information are illustrative examples¹⁶ and likely to be modified

Cross-Cutting Priorities

1

Affordability

2

Equity

3

**Workforce &
Economic
Development**

4

Public Health

5

**Environmental
Protection**

What is a priority?

- **Supplement the primary goal of emissions reduction**
- **The core socioeconomic needs and values** that define a successful, just decarbonization pathway
- **Reflect legislative priorities** established in the 2021 Next-Generation Roadmap Act
- **Apply broadly**, across decarbonization sectors, transformation areas, and policies
- **Cannot easily or logically be nested** as components of other needs and values
- *There are many other critical considerations that merit incorporation throughout policy design but are not as universally applicable.*

Draft Definitions

1

Affordability

System cost-effectiveness, distributional impacts, and predictability over time. Includes lifecycle costs, rate stability, administrative burden, and housing.

2

Equity

Equitable distribution of costs, benefits, and decision-making power. Encompasses distributional, procedural, and restorative justice dimensions.

3

Workforce & Economic Development

Job creation and displacement, wage quality, workforce pipeline, equitable access to employment, business competitiveness, and innovation economy.

4

Public Health

Health impacts include outdoor and indoor air quality, thermal comfort, reduced exposure to combustion products, and ecosystem-mediated health benefits.

5

Environmental Protection

Impacts, such as those from pollution, related to biodiversity, water quality, air quality, soil quality, and other metrics of natural systems conditions.

Priorities in the Decision-Making Framework



Context

- Define each priority within the context of transformation area



Policy Evaluation

- Select modeling tools with capacity to measure impacts through lens of the priorities
- Identify metrics connected to priorities that modeling tools will provide as outputs
- Identify opportunities for qualitative analysis of priority impacts



Decision Protocol

- Clarify how modeling outputs and qualitative analyses addressing priorities will inform decisions on preferred policy pathway

Affordability

Equity

Workforce & Econ Development

Public Health

Environmental Protection

Stakeholder Feedback on Priorities

1. Structure & Additions

- **Strong Support, but Incomplete:** The core four (Affordability, Health, Economy, Equity) were supported but viewed as insufficient on their own
- **Additional Potential Elements:** Calls to consider Environment (water, land, food) and Adaptation/Resilience (extreme weather readiness)
 - EJ Council questioned if housing should be a distinct priority; others highlighted governance and administrative burden

Stakeholder Feedback cont.

2. Clarifying Priorities

- **Redefining Affordability:** Needs to move beyond simple cost-reduction to include long-term stability, system cost-effectiveness, access to accurate cost information
- **Clarifying Equity:** Broad support, but requires specific definitions focused on the distribution of benefits vs. burdens, community agency, and harm protection (e.g., displacement)
- **Economic Transition:** Economic development must explicitly include workforce transition strategies for displaced workers, not just job creation

Stakeholder Feedback cont.

3. Process & Accessibility

- **Plain language is crucial:** Framework must use “lay terms” and connect to issues of everyday relevance, such as energy affordability
- **Acknowledge limitations:** Modeling must be transparent about its limitations and capacity constraints
- **Actionable engagement:** Stakeholders want to discuss tangible “micro-issues” and need more effective mechanisms for their advocacy to actually affect the plan
- **Transparency and Implementation Support:** Transparency is a key goal of the CECP. Support in implementation is also noted as important (and articulated in legislation)

Integration of Feedback

Cross-cutting priorities:

- Intent is to provide focus and clarify tradeoffs via minimum viable number of cross-priorities, and avoid “double counting” impacts
- Ensure additional issues raised by stakeholders (e.g., adaptation/resilience, governance, and administrative burden) receive meaningful attention

Definitions and process advice:

- Will incorporate feedback on Affordability, Equity, and Workforce & Economic Development
- Will ensure plain language, transparency on modeling, actionable engagement
- Approach will be informed by stakeholder interviews

Next Steps on the DMF

- Determine Priorities
 - Identify indicators and metrics for priorities and technological adoption
 - Identify and refine transformation areas
 - Opportunity for written updates and feedback, discussed with EEA for interested members

Key Inputs for the CECP Scenario Design

Questions for IAC

Priorities and Indicators

(Now – May)

- What are our priorities?
- What indicators and metrics can best measure these priorities?

Scenario Design

(Now – May; additional refinement Q3-Q4)

- In light of these priorities, what are the most important opportunities, tensions, or questions about MA decarbonization that the CECP process should shine a light on or try to answer?
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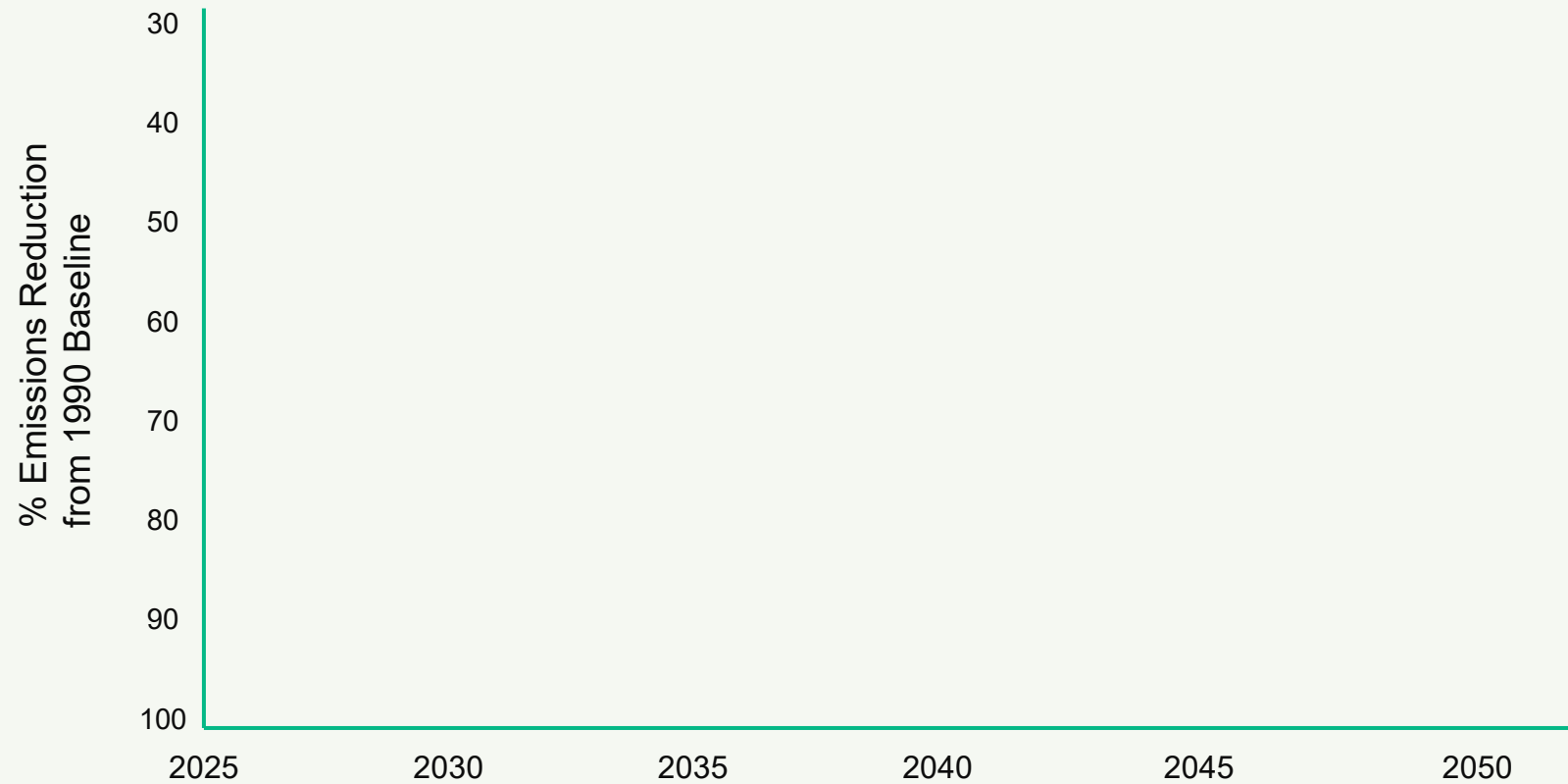
Preferred pathway

(Q3-Q2 2027)

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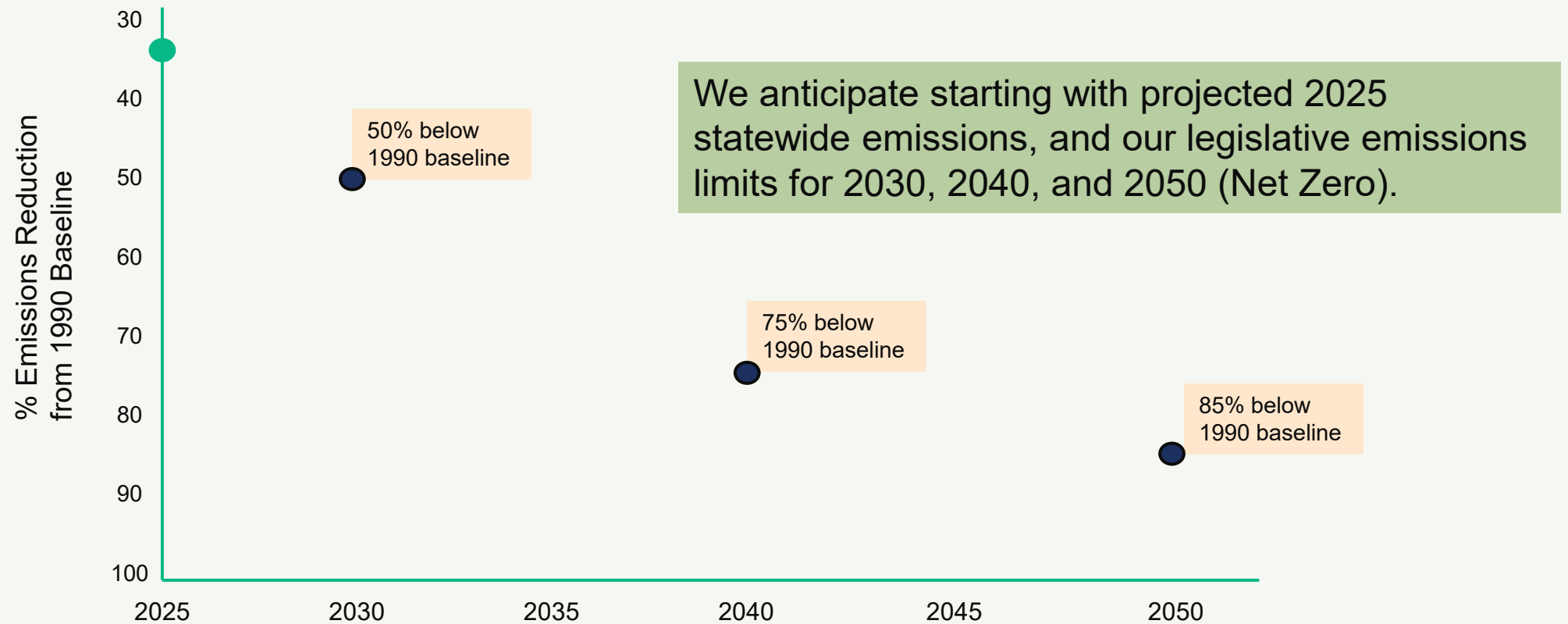
Modeling Refresher

What will the 2035 CECP be modeling?



Modeling Refresher

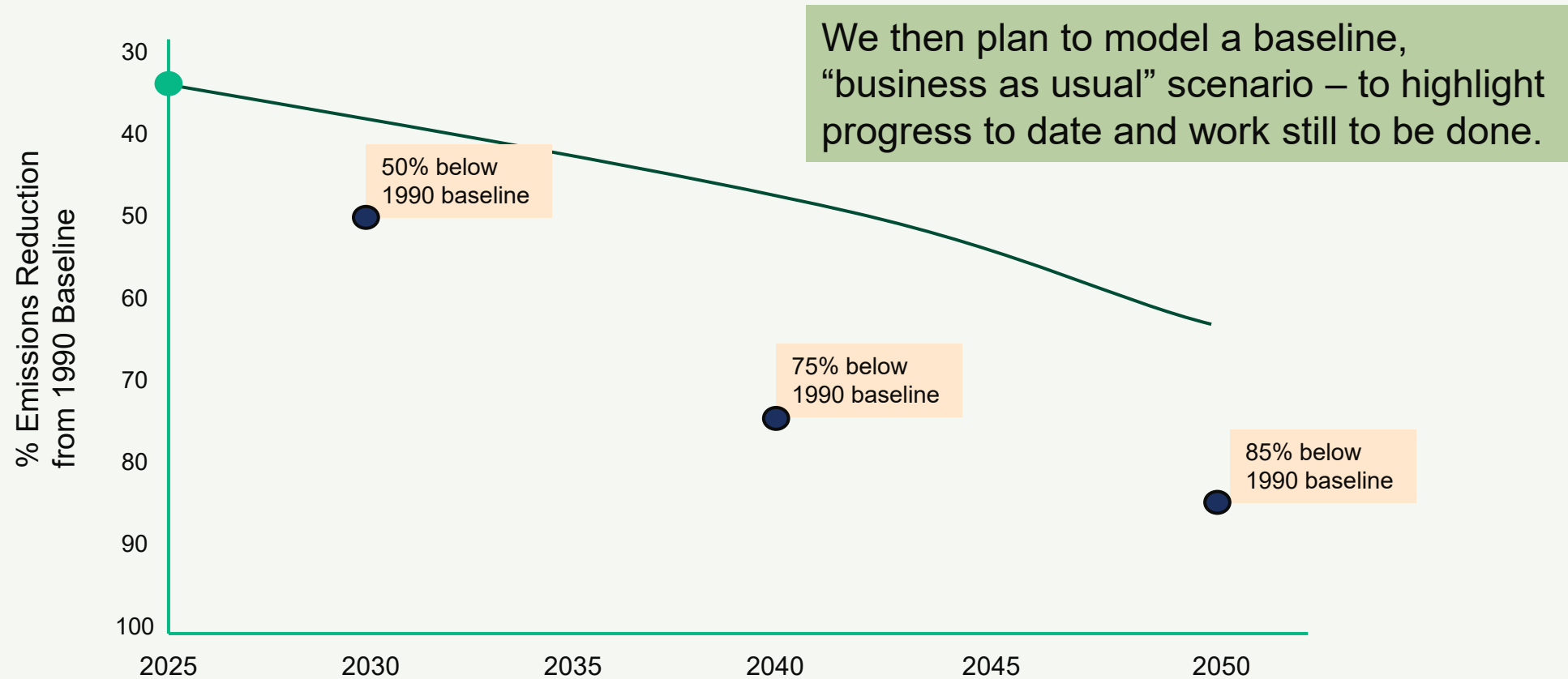
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Note: scenarios on this slide are meant to be illustrative examples and do not reflect actual modeled results

Modeling Refresher

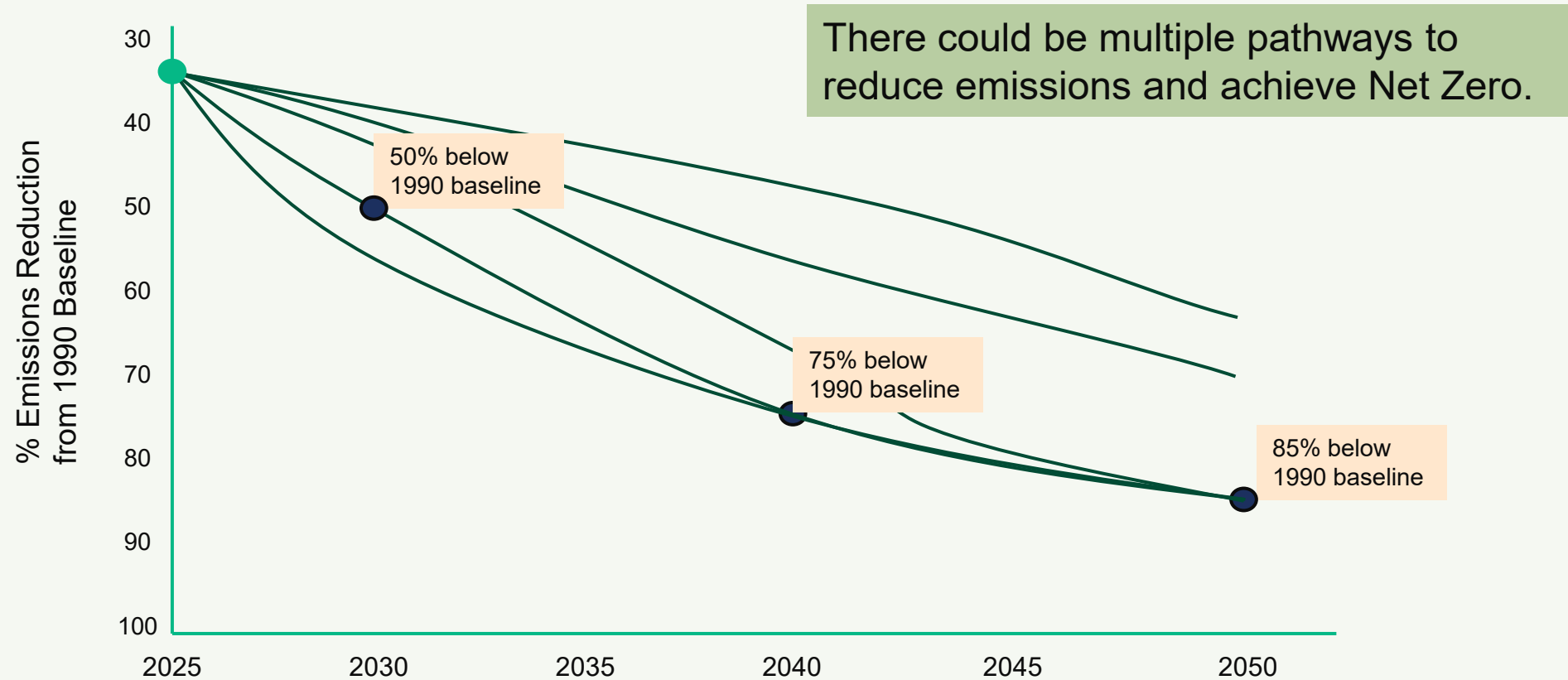
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Modeling Refresher

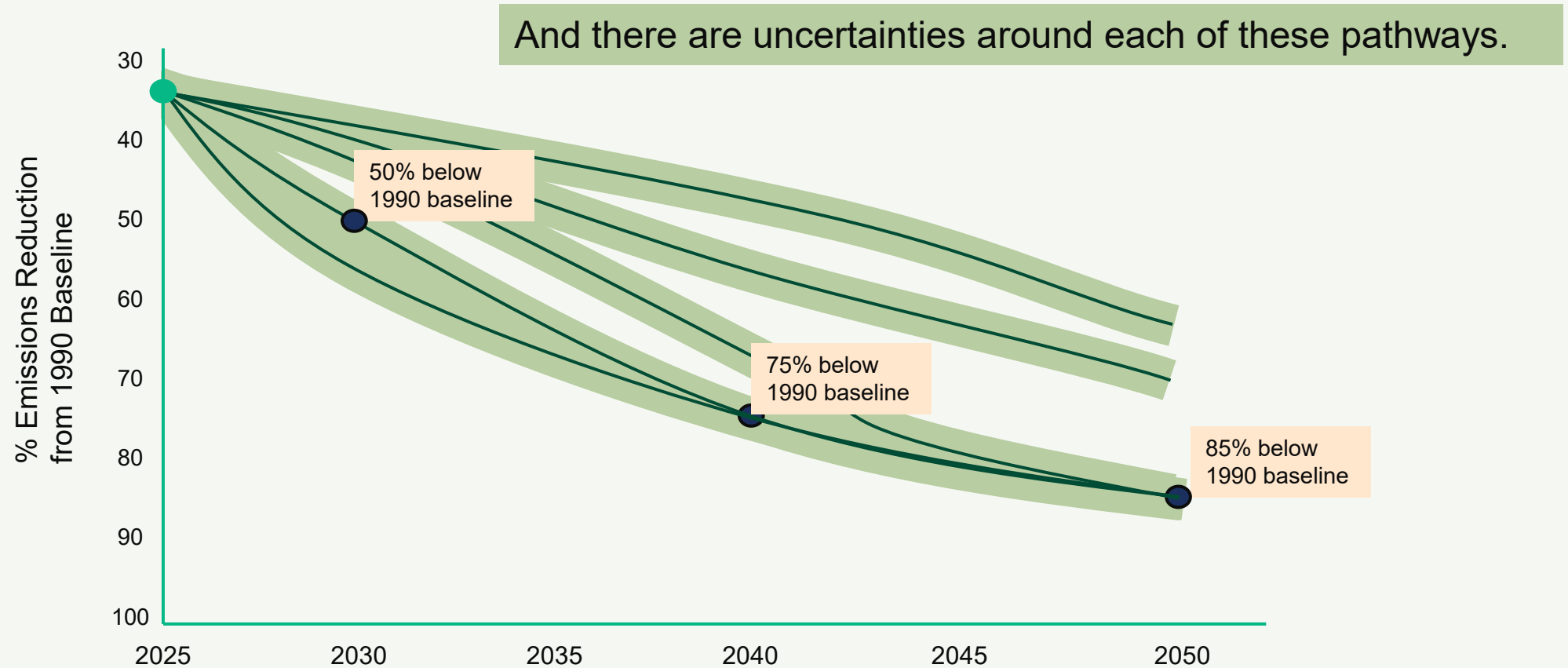
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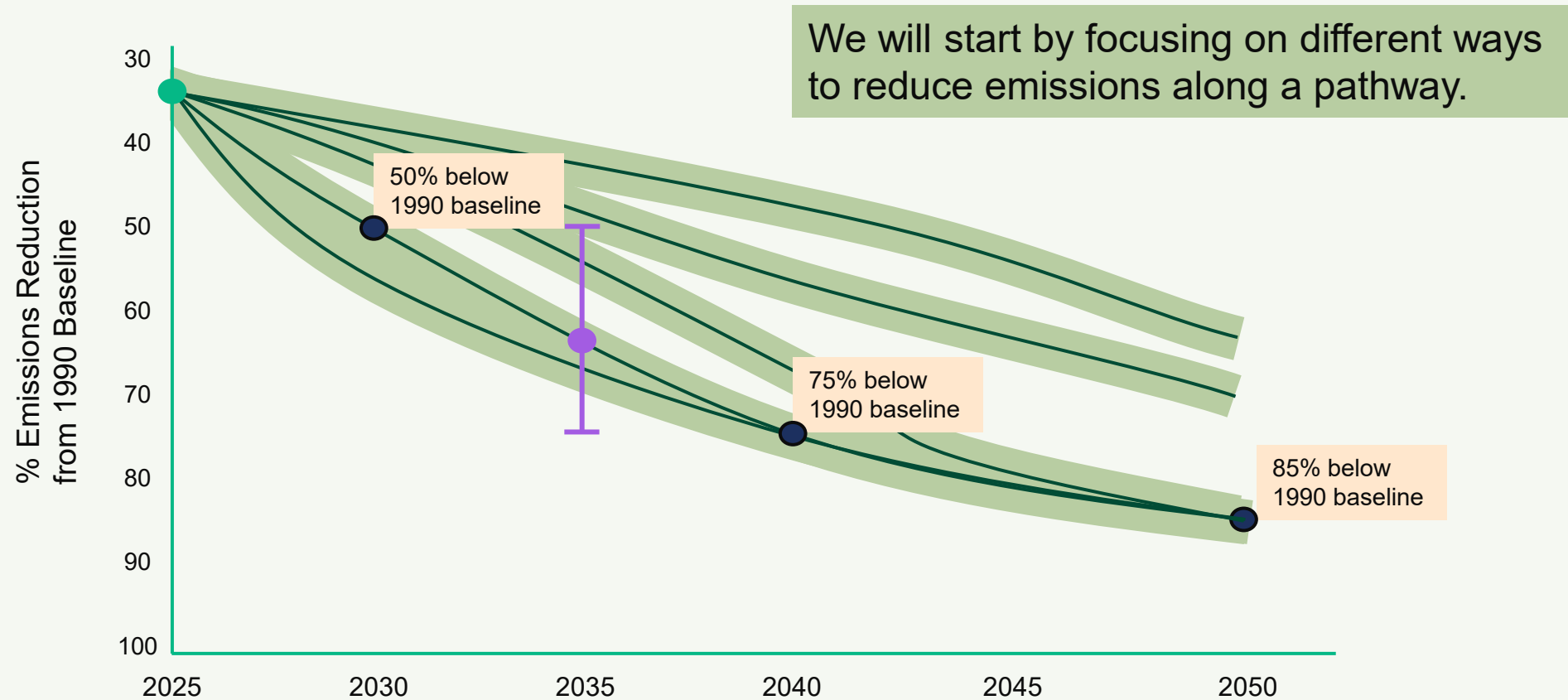
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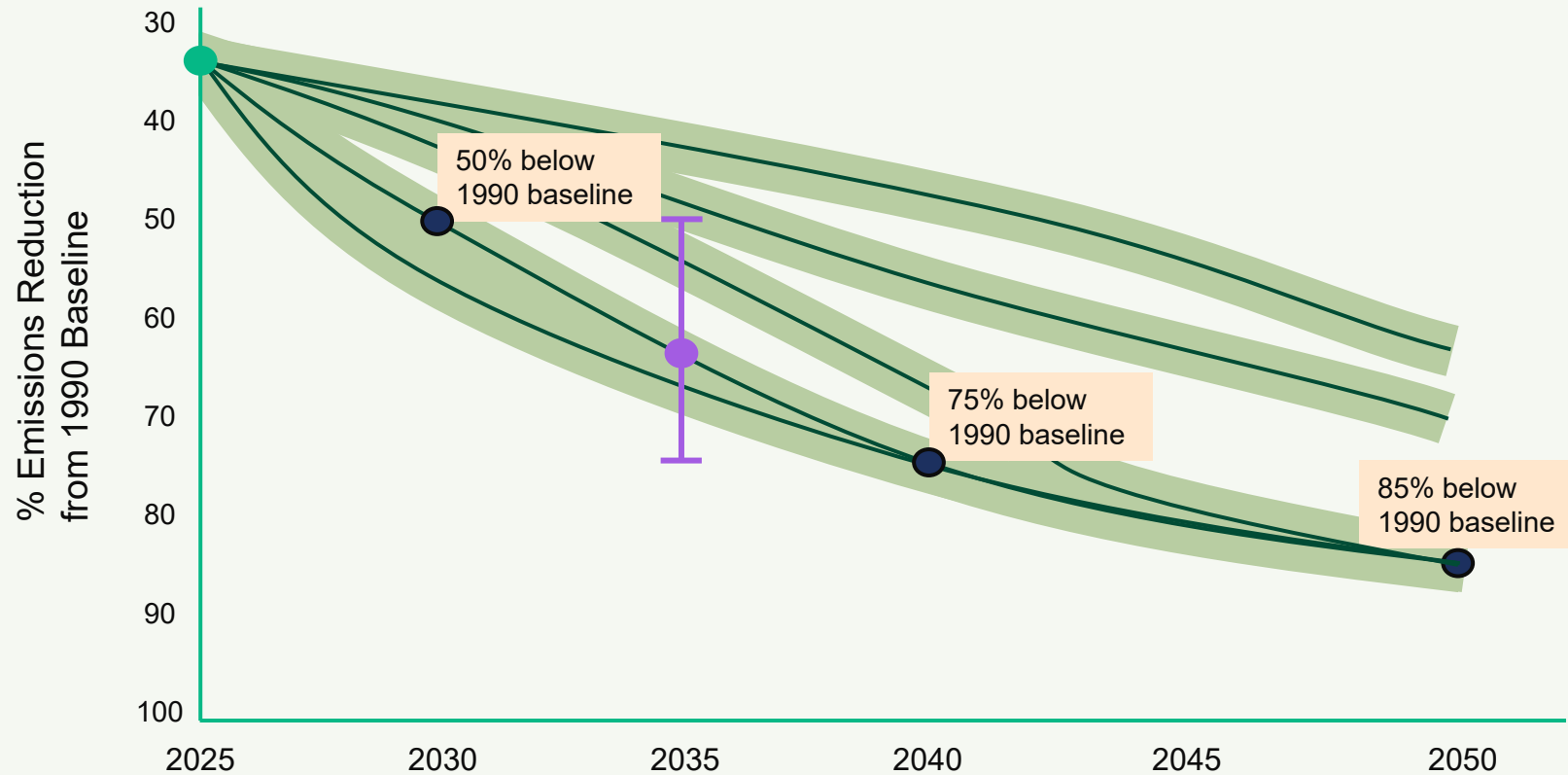
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Modeling Refresher

What will the 2035 CECP be modeling?



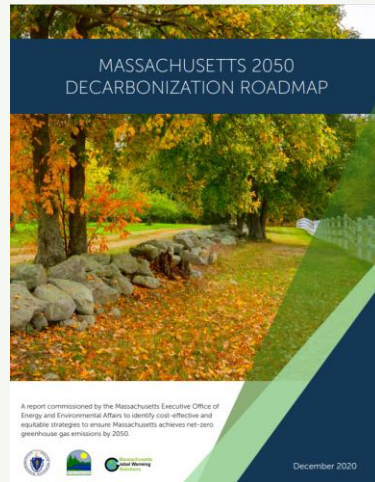
Each scenario will provide outputs including GHG emissions reductions and other metrics to assist in evaluation through the lens of our priorities

- **Affordability**
- **Equity**
- **Workforce & Economic Development**
- **Public Health**
- **Environmental Protection**

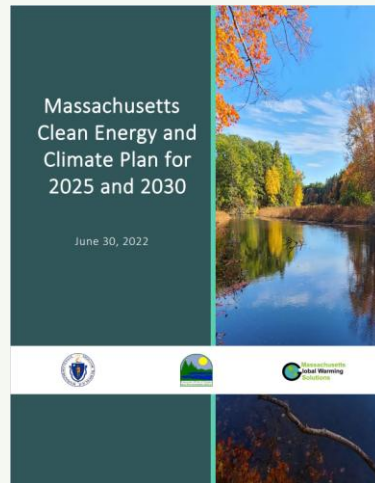
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Modeling Scenario Design

Before we conduct the modeling, we need to determine what “story” each scenario will tell



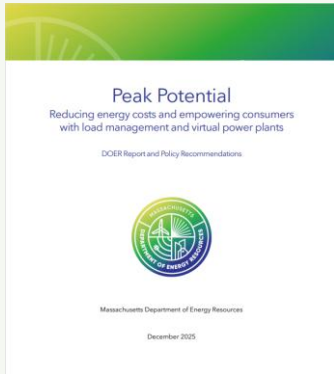
The 2050 Decarbonization Roadmap modeled eight different scenarios that all achieved Net Zero by 2050, but varied individual factors, such as the rate of distributed energy resource adoption, the cost and potential of offshore wind, and the rate of building electrification to explore the impacts of adjusting those variables.



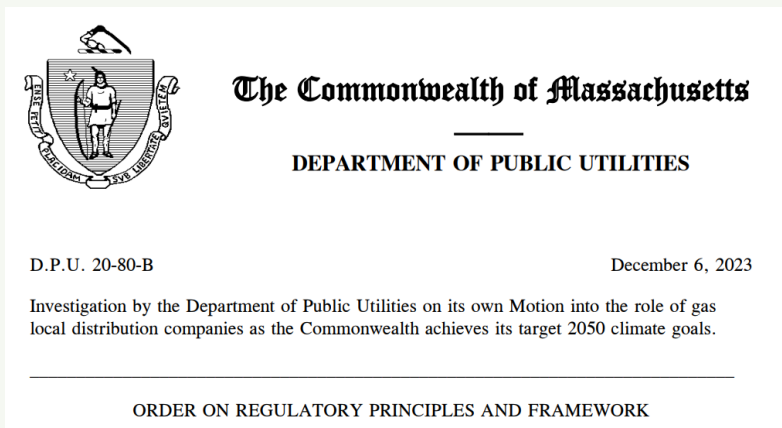
The 2025 / 2030 CECP analysis had a narrower scope, modeling scenarios focused on different strategies for building decarbonization by varying the types of technologies and rates of adoption.

Modeling Scenario Design

We are currently in the process of developing modeling scenarios. Recent work from EEA and its agencies has highlighted key topics for exploration:



- DOER's Peak Potential Report identified the scope of feasible energy and cost savings in MA by reducing peak demand through various load management strategies
 - By evaluating these strategies through the economy-wide modeling conducted for the CECP, EEA can articulate how load management contributes to an updated Net Zero pathway and interacts with assumptions around building and vehicle electrification



- DPU Proceedings and the Integrated Energy Planning Work Group have discussed the benefits of geographically targeted electrification
 - 2035 CECP scenarios could explore the potential emissions reductions, cost savings, and priority impacts of emphasizing geotargeted electrification policies

IAC Group Discussion: Scenario Design

At this stage, we are interested in your input to inform our choice of scenarios.

What are the most important **opportunities, tradeoffs, or questions** about MA decarbonization for the CECP **to try to answer**? Consider,

- What resonates from the topics on the previous slide? What would you change?
- What **technologies, behaviors**, and sources of **emissions** need greater focus?
- What **potential strategies** need more analysis or shared understanding?
- Where could trusted research/data **help resolve or inform** issues where stakeholders disagree?

Examples of Potential Research Questions to Inform Scenario Design:

- What assumptions are driving demand?
- How effectively can existing or new technologies and strategies manage load and reduce greenhouse gas emissions?
- How does prioritizing initiatives in particular areas affect emissions reductions and cross-cutting priorities?

Public Comments

Next Steps

Next Steps

- Opportunity for written updates and feedback on the DMF priorities, and discussion with EEA
- Next IAC meeting likely in mid to late July
- Additional opportunities for engagement (details TBD)