

Commercial New Construction and Major Renovations

Supporting Electrification and Ultra-Low
EUIs with Enhanced Incentives

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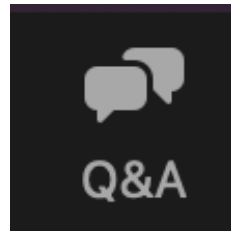
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We look forward to hearing from you

Please put all your questions into the questions section with this icon.



Agenda

1

PATHWAY DETAILS

Updates to Whole Building vs Prescriptive Incentives

2

TIMELINES

When to engage

3

GEB OFFERING

Overview of new Grid Efficient Buildings Program for all pathways



PATH 1

Zero Net Energy
/Deep Energy
Savings



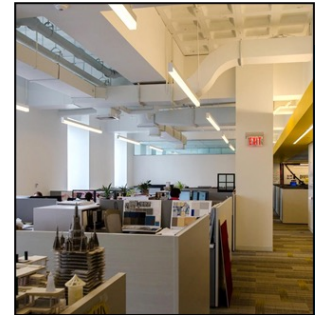
PATH 2

Whole Building EUI
Reduction



PATH 3

High Performance
Buildings



PATH 4

Systems

Low EUI Pathways

New Construction/Major Renovation Participation Pathways

PATH 1: Net Zero & Low EUI Buildings



BUCKLEY ELEMENTARY SCHOOL

Opened Fall 2022 | All electric

INTENT

- For buildings 10,000 sf and greater
- Drive projects toward net zero, low carbon and low EUI in operation - focus on performance

KEY PROGRAM DRIVER

- Achieve a target site EUI in design, construction, and operation
- Electrified systems

NET ZERO TECHNICAL SUPPORT

- Net zero design support
- Energize CT Sponsors will pay 50% up to \$10,000
- Energize CT Sponsors will pay for optional Verification Incentive - 50% of fee up to \$10,000

Path 1: EUI Targets

EUI by Building Type	
Building Type	Net Zero Level EUI Targets
Hotel	Tier 1: 35 or less Tier 2: 36-40
K-12 School	Tier 1: 25 or less Tier 2 (high schools only): 26-29
Library	Tier 1: 30 or less Tier 2: 31-35
Office	Tier 1: 30 or less Tier 2: 31-35
Fire/Police Station	Tier 1: 35 or less Tier 2: 36-40
Other Sectors	25 or site-specific



Project Incentives

Payable at the end of Construction		Payable after 1 Year Post Occupancy		
Construction Incentive*	Heat Pump Adder**	Post Occupancy Incentive	Additional ZNE adder	Certification Incentive
\$2.50/SF	ASHP: \$640/ton VRF: \$1000/ton GSHP: \$4000/ton	\$1.50/SF	\$0.05/EUI Point Reduction/SF	\$3000

*Construction Incentive drops to \$2/SF for projects only meeting Tier 2 targets

**Heat Pump Adder Caps vary by company

Technical Assistance

50% of fee for ZNE vendor up to \$10,000

Design Team Incentive

\$0.20/SF capped at \$15,000 but no less than \$8,000 per project

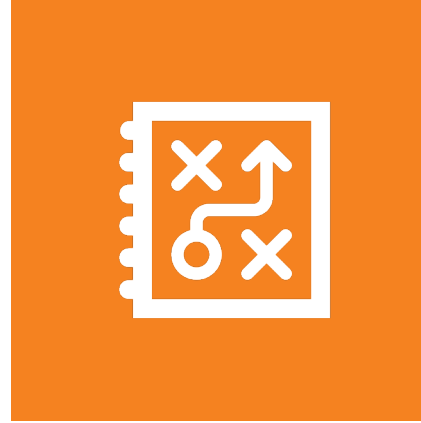
Verification Incentive

50% of Fee up to \$10,000

Verification Incentive



Multiple trend data reviews at post occupancy



Review control strategies at end of design



Multiple EUI data pulls at post occupancy

Energize CT sponsors offer 50% cost share up to \$10,000 to cover this scope

PATH 2: Whole Building EUI Reduction



INTENT: For buildings 30,000 sf and greater

Large or complex projects, interested in setting an EUI reduction target, but where total electrification may not be attainable



KEY PROGRAM DRIVER:

Lowest possible site EUI
Building electrification



TECHNICAL ASSISTANCE

Provide energy savings and decarbonization advice

Sponsors of Energize CT will pay for energy modeling, charrette support, and mid-design review - up to 75% of the cost (Customer pays 25%)

Sponsors of Energize CT will pay for optional Verification Incentive - 50% of fee up to \$10,000

Note: This design-focused pathway does not have a post-occupancy performance component, which is the hallmark of Path 1

	% EUI Reduction	Incentive Rate	Heat Pump Adder
Tier 4	10-14.9%	\$0.75/SF	ASHP: \$640/ton VRF: \$1000/ton GSHP: \$4000/ton
Tier 3	15-19.9%	\$1.25/SF	
Tier 2	20-24.9%	\$1.75/SF	
Tier 1	25% and above	\$2.25/SF	

Note: Projects participating in New Construction/Major Renovation program pathways are **not** eligible for midstream or point-of-sale rebates

Technical Assistance

75% of fee for Energy Modeling up to \$25,000

Verification Incentive

50% of Fee up to \$10,000

Design Team Incentive

% EUI Reduction	Rate
10-19.9%	\$.20/SF, up to \$15,000
20-24.9%	\$.10/SF, up to \$12,500
25% and above	\$.05/SF, up to \$10,000

Path 2 Incentives

PATH 3: Whole Building EUI Reduction



INTENT: For buildings 20,000 sf and greater

Reduce whole building energy and decarbonize – measure by measure approach versus an EUI-based approach



TECHNICAL ASSISTANCE:

Expert support in identifying energy conservation and decarbonization strategies



TYPICAL PROJECTS

Fast-paced projects where customers do not wish to set and pursue an EUI target

Projects where heavy process loads are the major energy savings focus (e.g., cannabis, industrial).

Projects where customers have an interest in discrete measures only

Projects engaging too late in design to participate in Path 1 or 2

PATH 4: Systems



INTENT

Reduce building energy and decarbonize – measure by measure approach versus an EUI-based approach



TYPICAL PROJECTS

For customers with small and fast paced projects where customers do not wish to set and pursue an EUI target

Projects that are not a whole buildings (e.g. tenant fit outs or open-air parking garages)

Projects where customers have interest in discrete measures only

Projects engaging too late in design to participate in other pathways

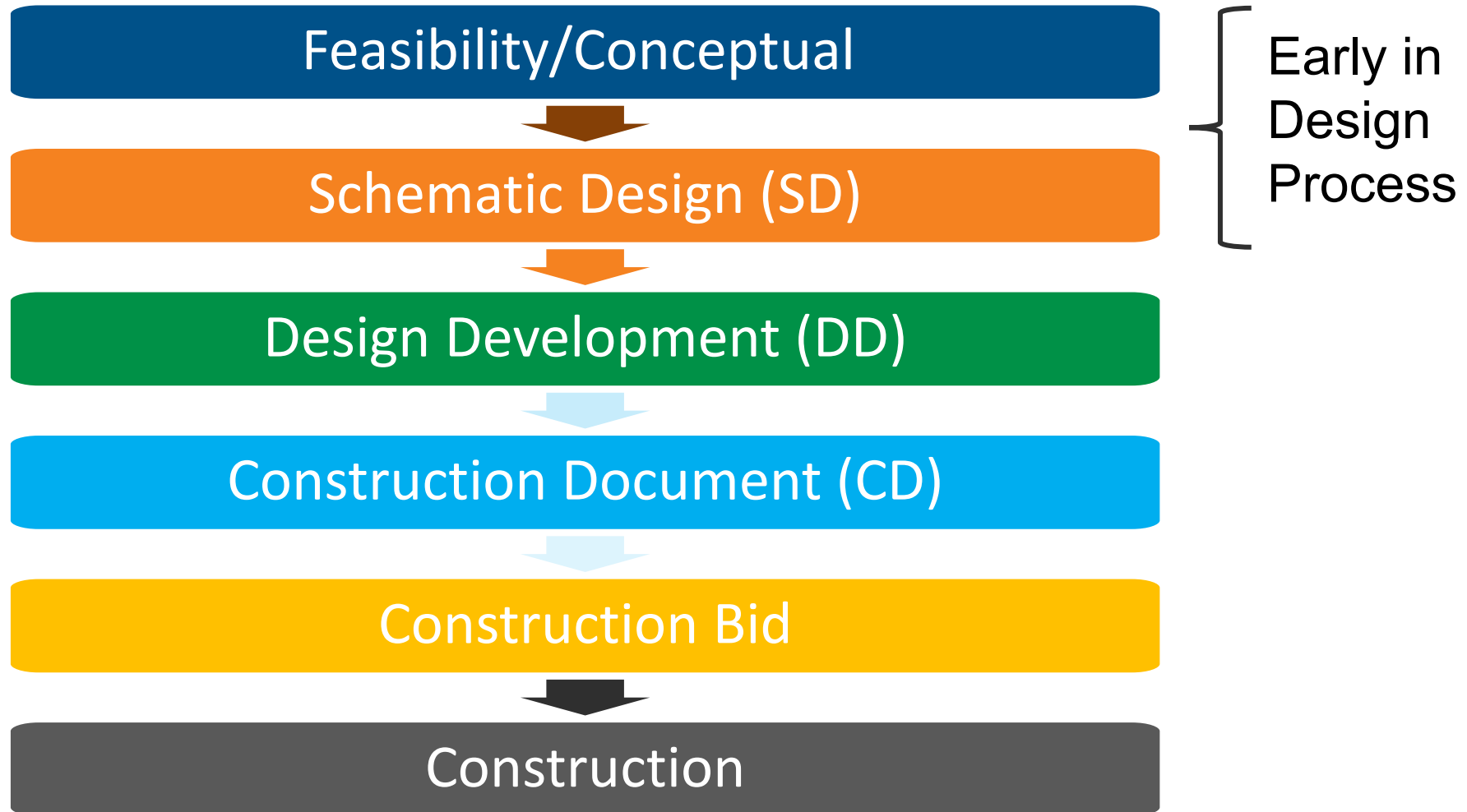
Table 1 - Summary of Customer Incentives

Incentive	Energy Conservation Measure (ECM) Examples	Rate
Custom Incentives	Building Envelope	Electric incentives are the greater of \$0.40/kWh or \$1,000/summer peak kW and gas incentives are \$6.00/ccf. All incentives are capped at 95% of incremental cost with per-fixture caps for lighting incentives
	Lighting & Networked Lighting Controls	
	Energy Recovery	
	Demand Control Ventilation	
	High-Efficiency Chillers	
	Air Compressors	
	Water Source Heat Pumps	
	Other	
Prescriptive Incentives including packaged and Split DX equipment, variable frequency drives (FVDs), heat pump water heaters, boilers, furnaces, and kitchen equipment		See Path 3 and 4 Incentive rate sheet on EnergizeCT.com
Heat Pumps	Air Source Heat Pumps: \$640/ton Variable Refrigerant Flow: \$1,000/ton Ground Source Heat Pumps: \$4,000/ton	
Multi-End Use	Project must include a minimum of 3 end uses (defined as Gas or Electric, impacting Heating; Cooling; Lighting; Process; Domestic Water Heating; Refrigeration; Motors and Drives)	Calculated at \$0.10 / kWh and/or \$1.00/ccf (capped at \$20,000)

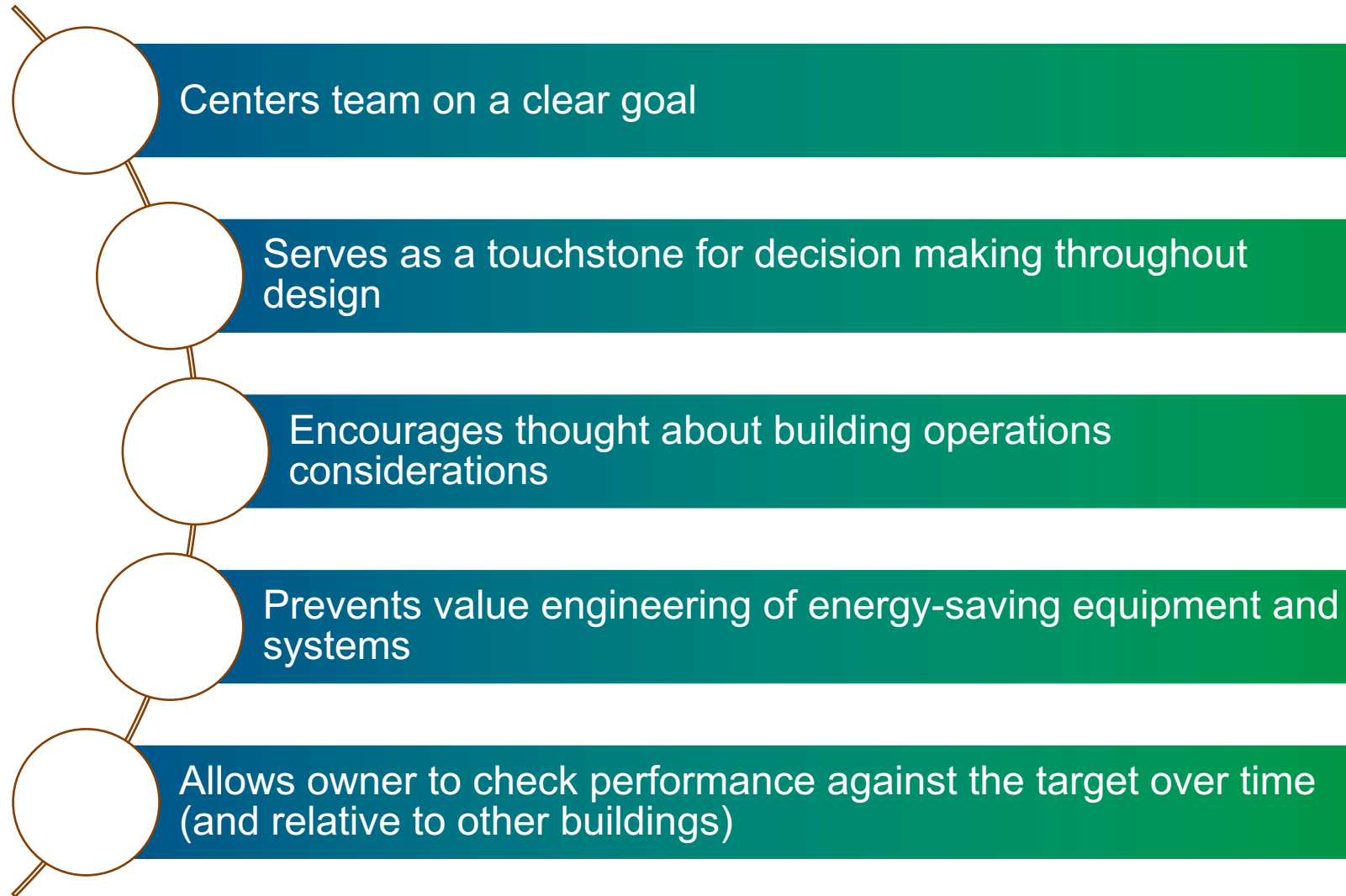
Note: Projects participating in New Construction/Major Renovation program pathways are **not** eligible for midstream or point-of-sale rebates

Path 3 and 4 Incentives

When Should Customers/Design Teams Reach Out?



Value of Setting Early EUI Target





2024 Connecticut Grid-Interactive Efficient Buildings Offering

Purpose

To help establish “buildings of the future” that interact with the grid to curtail or shift demand to support increasing electrification, we are offering a new wave of incentives.

New construction or major renovation projects are prime candidates for electrification and grid interactivity measures, especially in early engagement when these measures are easiest to include in the design.

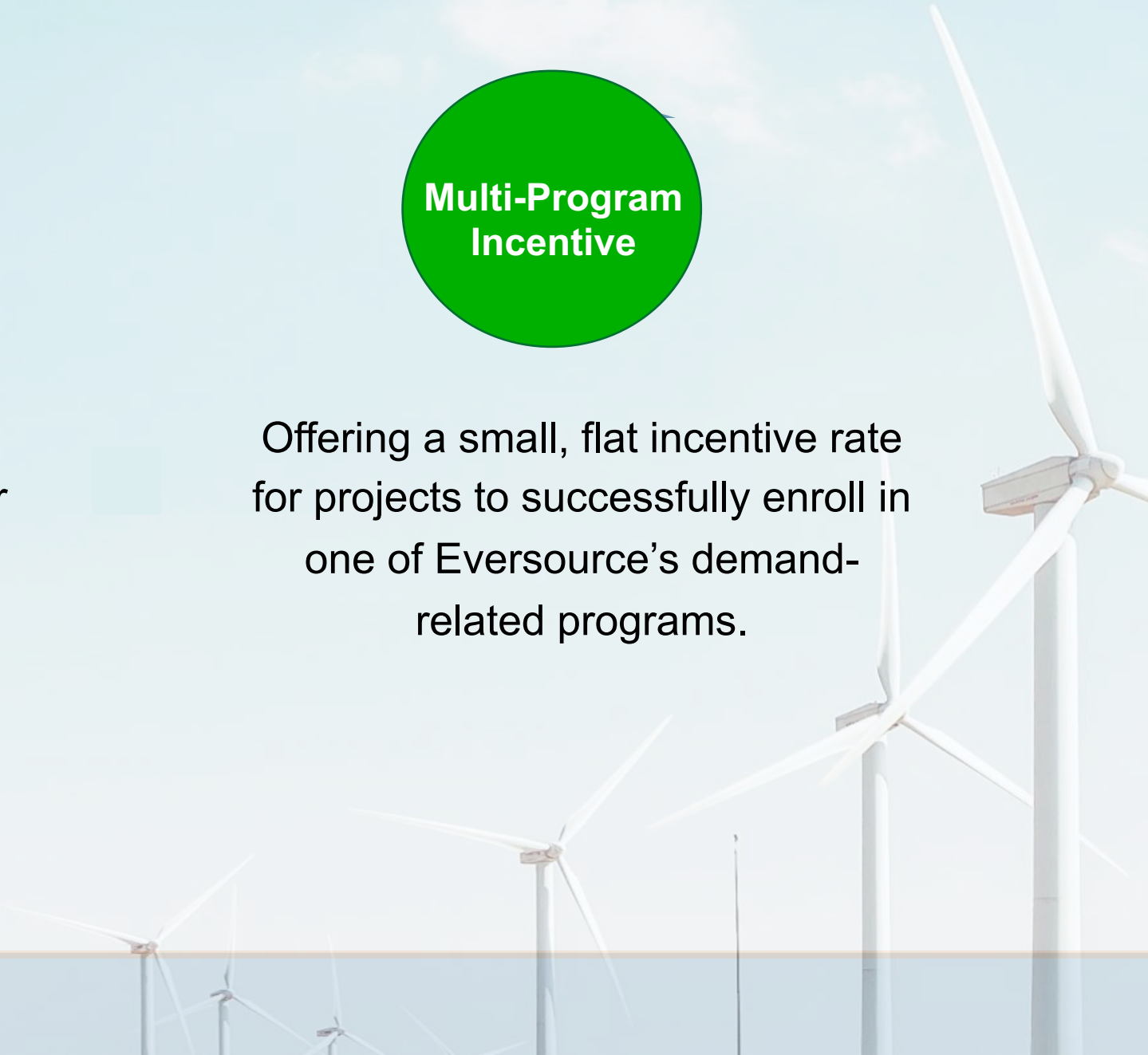
Two-Part Approach

Technical Assistance

Working with a demand response specialist to determine measures or programs the design team should consider to alter the project's demand.

Multi-Program Incentive

Offering a small, flat incentive rate for projects to successfully enroll in one of Eversource's demand-related programs.



Technical Assistance


If the customer expresses interest in grid-interactivity measures or programs, our GEB-specific TA vendor would join the project and propose measures or programs to increase demand shifting or curtailment capabilities for the project.

TA Incentive


75% Utility / 25% customer cost share

Potential to reimburse 25% upon enrollment in Demand Response and/or Battery Storage programs


GEB Vendor Scope of Work Outline



Join the project team after the initial charette discussions show the project is a good fit for this offering. Review project documentation and design to date. This should happen before 100% DD latest to assess all potential measures.




Prepare a preliminary list of GEB measures not currently in the design scope and assess existing measures to send to the project team.



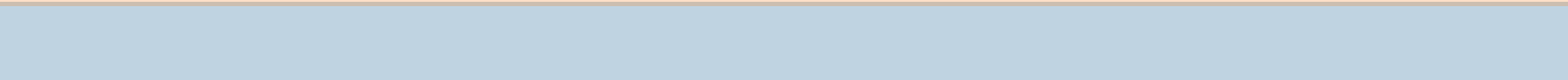
Complete demand calculations to determine economic feasibility of measures including cost, potential incentive rates, and other program revenue streams



Report findings to the customer and design team to decide on the list of measures to be added to the project.



Follow up as needed to make recommendations on sequence programming after final design completion.



Multi-Program Incentive

Customers would receive a small flat incentive for enrolling in one or more of the following utility programs:

- Demand Response
- Batteries
- EVs

This incentive would be paid out upon documentation of successful enrollment in the program(s). More programs nets higher incentive rates.

Multi-Program Incentive	
1 additional program	\$3,000 total
2 additional programs	\$6,000 total
3 additional programs	\$9,000 total



Key Takeaways

- Engage as early as possible!
- Trend is moving towards decarbonization
- Program main focuses:
 - Heat pumps (decarbonization)
 - Reducing building EUI
 - Operational not just design energy performance



Questions

Thank you

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