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New Construction & Major Renovation Program

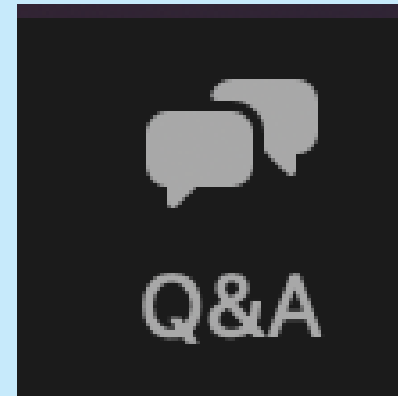
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**We look forward to
hearing from you**

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



Empowering Connecticut to Make Smart Energy Choices



Eversource, Avangrid, Inc. subsidiaries CNG, SCG and UI, the Energy Efficiency Board, Connecticut Green Bank, and the State have united on a shared mission - to provide Connecticut residents and businesses the resources they need to **save money and use clean energy**.

The Energize Connecticut initiative empowers our communities to make smart energy choices, now and in the future.



Agenda

Program Overview: Whole Building Focus

2025 Changes & Highlights by Pathway

Questions



Definitions

Zero Net Energy Building

Buildings that produce as much energy as they consume over a year

Heat pumps, LED lighting, improved insulation – lead to lower building energy needs that can be offset by solar energy production

EUI

(Energy Use Intensity)

A measure of a building's total annual energy use divided by its square footage (Annual kBtu/sf)

Similar to a miles-per-gallon metric, but for buildings



K-12 School

Path 1: Zero Net
Energy Deep
Energy Savings



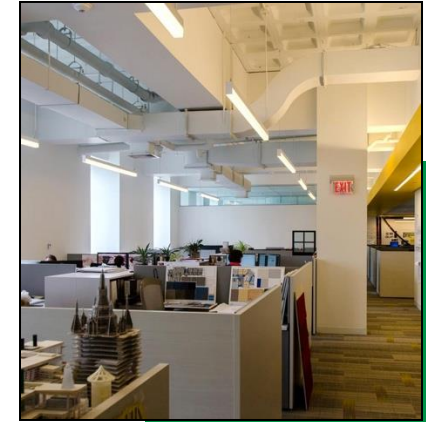
Large Office Building

Path 2: Whole
Building EUI
Reduction



Hotel/Senior Living

Path 3: Whole
Building
Streamlined



Tenant Spaces

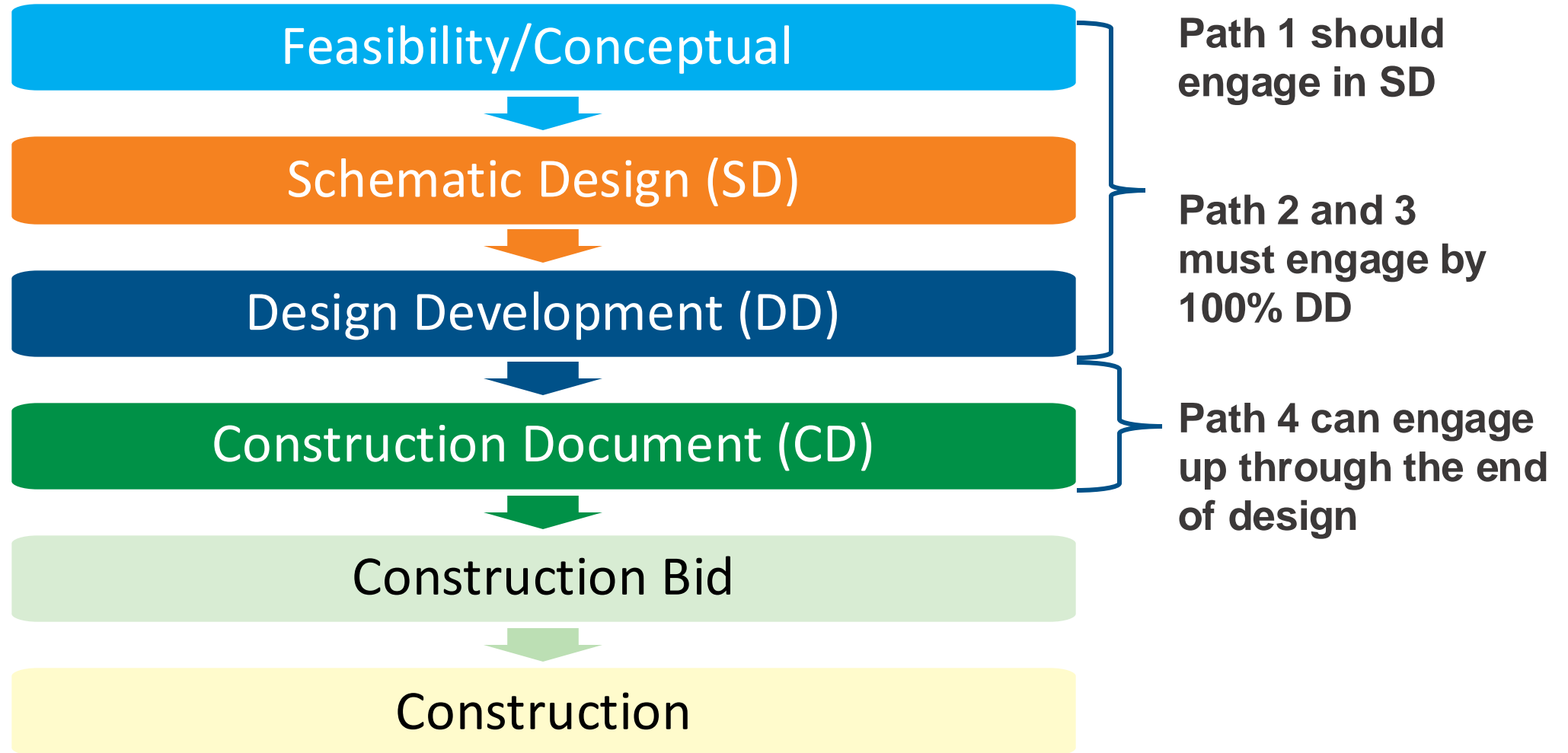
Path 4: Systems –
Prescriptive and
Limited Custom

Whole building focus, EUI targets
\$/square foot incentives

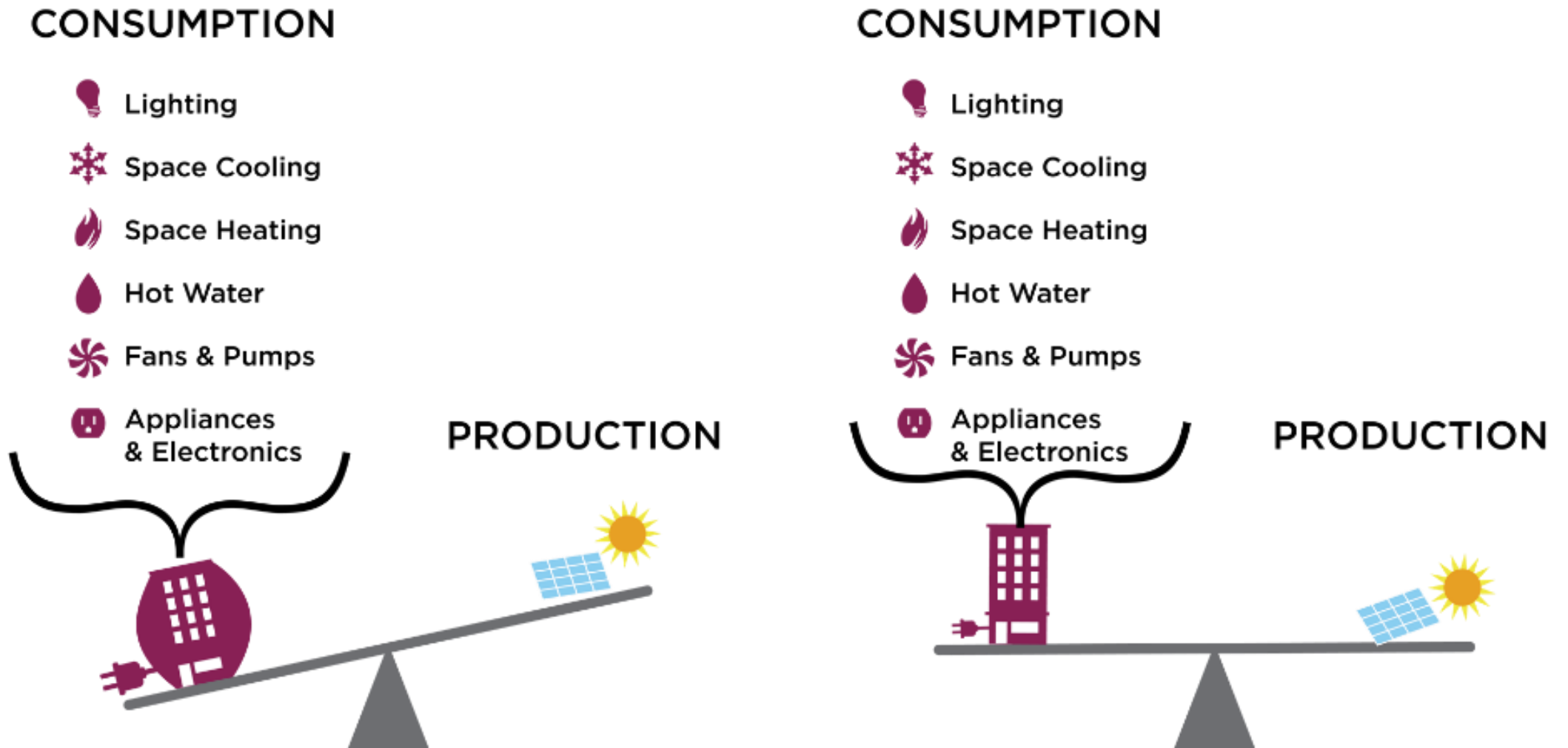
Focus on individual conservation measures,
Incentives based on energy savings

C&I New Construction and Major Renovation Program Pathways

Pathway Engagement Timeline



Understanding Zero Net Energy Buildings: Finding the Right Balance & Optimization



Path 1: Net Zero & Low EUI Buildings

INTENT: For all-electric buildings 10,000 sf and greater

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 for ZNE and 50% up to \$12,000 for modeling
- Energize CT Sponsors will pay for optional Verification Incentive - 50% of fee up to \$10,000



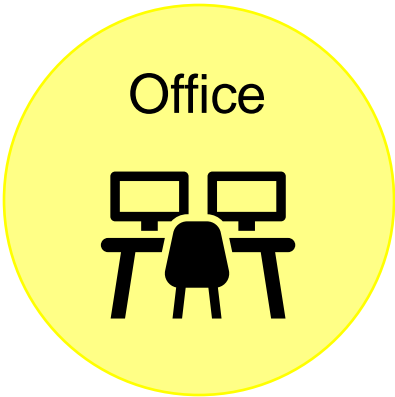
BUCKLEY ELEMENTARY SCHOOL

Opened Fall 2022 | All electric

2025 Path 1 EUI Targets



Tier 1: 25
Tier 2 (HS Only): 26-29



Tier 1: 30
Tier 2: 31-35



Tier 1: 30
Tier 2: 31-35



Tier 1: 35
Tier 2: 36-40



Tier 1: 35
Tier 2: 36-40



Case-by-case

Path 1 Incentives		
Construction Incentive	Tier 1: \$2.50/sf Tier 2: \$1.50/sf	
Post-Occupancy Incentive	\$1.50/sf	
Design Team Incentive	\$8,000-\$15,000 (based on sf)	
Heat Pump “Adder”		
Type	\$/ton	Adder Cap Eversource /Avangrid
Air Source	\$640	\$400,000 \$200,000
VRF	\$1,000	\$500,000 \$300,000
Ground Source	\$4,000	\$600,000 \$400,000

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 not good candidates for Path 1

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 - 75% of the cost up to \$20,000
- 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

Path 2: Whole Building EUI Reduction

Path 2: EUI Reduction Incentives		
	Percent EUI Reduction	Incentive Rate
Tier 4	10-15%	\$0.75/sf
Tier 3	15-20%	\$1.25/sf
Tier 2	20-25%	\$1.75/sf
Tier 1	25% and above	\$2.25/sf
Design Team Incentive: up to \$15,000		

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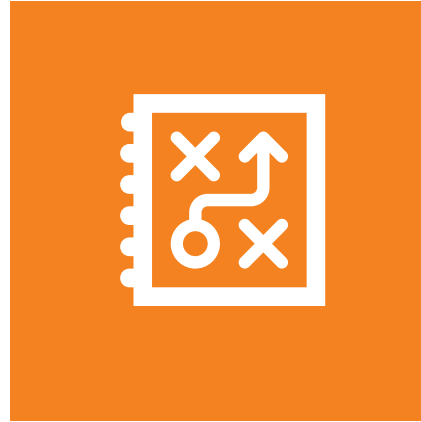


Anna Reynolds School

Verification Incentive: Additional Support in Post-Occupancy



Multiple trend data reviews at post occupancy



Review control strategies at end of design



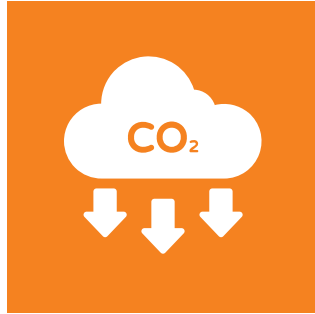
Multiple EUI data pulls at post occupancy

**The Sponsors of Energize CT offer 50% cost share,
up to \$10,000 to cover this scope
Available in Path 1 and Path 2**

2025 Changes and Highlights



EJC &
Distressed
Municipality
Offer



Pathway
Policy
Changes



Grid-Efficient
Interactive
Buildings
Offer



2024 Bond
Bill: School
Funding

Environmental Justice Community (EJC) & Distressed Municipality Offer

Enhanced technical assistance dollars for municipal projects in EJCs and/or Distressed Municipalities in support of electrification & decarbonization technologies, efficient design practices, and long-term resilience

	Path 1 Technical Assistance			Path 2 Technical Assistance
	ZNE Expert	Modeling	Total	Modeling
Standard Offer	50% up to \$10,000	75% up to \$12,000	Up to \$22,000	75% up to \$20,000
EJC & Distressed Municipalities	75% up to \$10,000	90% up to \$20,000	Up to \$30,000	90% up to \$30,000

Policy Changes by Pathway

Path 1:

- No changes, all-electric

Path 2:

- No credit or incentives for new fossil fuel equipment, but continued support for fossil fuel savings on ancillary measures including controls, energy recovery, and envelope
- Envelope measures in major renovation projects can be modeled as energy-neutral under certain circumstances



Policy Changes by Pathway

Path 3 & 4

- Prescriptive and custom incentives for fossil fuel equipment eliminated
- Continued support for ancillary measures like energy recovery, controls, and some specialty fossil fuel equipment that cannot be electrified
- New prescriptive incentive for packaged terminal heat pumps (PTHPs) : \$500/unit





Large Multifamily Projects

Multifamily Projects are supported through the commercial pathways if they are

- Adaptive reuse
- >3 stories as per ASHRAE and IECC

Dwellings must be all-electric

Grid-Interactive Efficient Buildings (GEB) Offer

- Support for “buildings of the future” that interact with the grid to curtail or shift demand to support increasing electrification
- Two-pronged approach
 - Technical assistance: available in Paths 1, 2 and 3
 - Multi-program incentive: available in all Pathways



Grid-Interactive Efficient Buildings Offer

Technical Assistance

- Utilities cover 75% of TA costs
- Customer portion re-imbursed if enroll in demand response and battery storage programs
- Vendor to join before 100% DD to assess measures & propose additional ones
- Demand calculations, load reduction & cost benefit analysis
- Recommendations on sequence programming to implement

Multi-Program Incentive

- Customers receive a flat incentive for successful enrollment in each of the following programs:
 - Utility Demand Response programs
 - Energy Storage Solutions (battery program)
 - Electric Vehicle Charging

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

2024 CT Bond Bill

- Incentives for schools used to be subtracted from state grants
 - Impact varied by municipal reimbursement rate
- Office of Grants Administration (OGA) will no longer take Energize CT incentives into account when calculating state grants
 - Applies to projects approved by OGA after July 2024



Key Takeaways

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



Thanks for listening.



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Questions