



# Climate Solutions Series

OVERCOMING HURDLES TO AGGRESSIVE  
CLIMATE ACTION POLICIES

1. Focus on top high impact actions
2. Deliver resources to change the conversation from IF to HOW
3. Address the opposition to taking action head on



# Climate Solutions Series



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Vice President  
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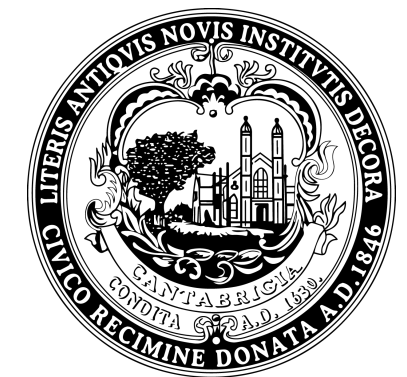
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Director of Sustainability  
Consigli Construction Co., Inc.



**Meredith Elbaum**  
AIA, LEED AP  
Executive Director  
Built Environment Plus



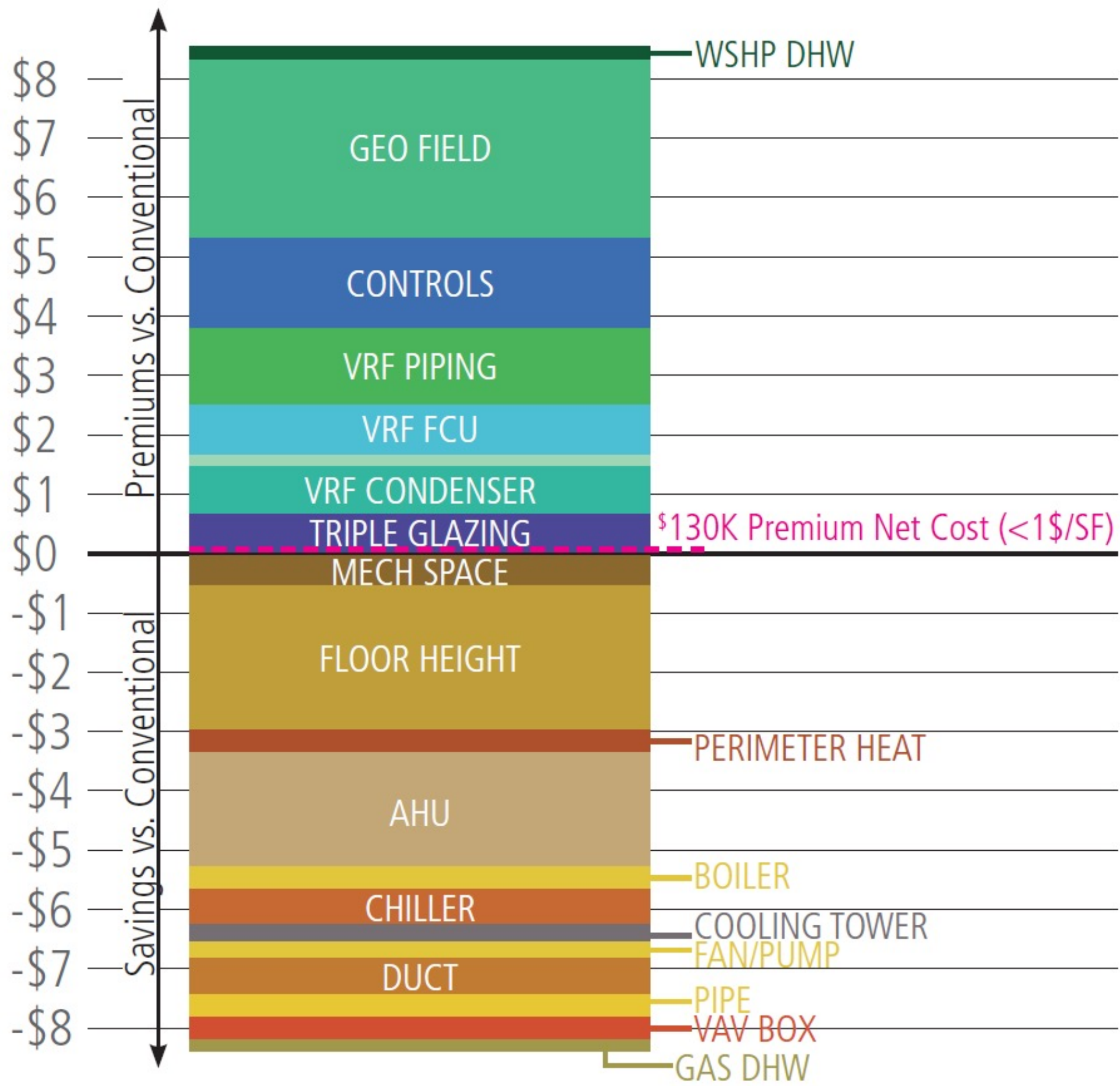
**Seth Federspiel**  
Climate Program Manager  
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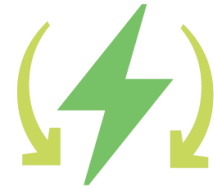


## Climate Solutions Series

Net Zero  
Buildings



**Reduce**



Energy Use



**Replace**



Fossil fuels  
with renewables  
to generate electricity



**Renewables**



Fossil fuel hook ups  
to heating, cooling,  
cooking and install  
electric options





# Climate Solutions Series



OLD

VS

NEW

# HEAT PUMPS

OLD		NEW
Single source: draws heat from air		Dual Source: draws heat from air and ground
	Heat mode performs more efficiently in warmer climates	Effective in warm and cool climates
	Fans with one-speed motors	Fans with dual/variable speed motors
	More efficient than a gas furnace	2-7% more efficient than air source only. 4-8% more efficient than ground source only.
Requires back-up system (gas)		Built-in backup system (ground/air)
	Large, outdoor system	Compact "plug and play" outdoor system
Single-speed compressor		Two-speed compressor



# Total Carbon Emissions of **All Global New Construction** from 2020-2050

*Business as Usual Projection*



Climate  
Solutions  
Series

