Advancing Passive House Policy
NAPHN 2016 policy session 2 presentations

“The building sector offers the largest low-cost potential in world regions to lower emissions.”

- Dr. Diana Urge-Vorsatz, Vice Chair, Intergovernmental Panel on Climate Change (IPCC)
Climate Needs: 80% by 2050

Deep retrofits on large scale

Not enough public $  
Need for cost effective & financeable solutions

For retrofits with tenants in place

That building owners want to buy

No cost effective solutions exist for deep retrofits with tenants in place

Goal of the Initiative

Create a large scale, self-sustaining market for deep energy retrofit solutions

- Attractiveness
- High energy performance
- Limited disruption to tenants
- Cost-effectiveness
A Targeted but Comprehensive Initiative

Key Elements of the Design-Build Competition

- Building types ➔ Scale
- Technology agnostic
- Rigorous performance monitoring
- Opportunity for Non Energy Benefits quantification

New York Specific Context

Additional Challenges
- Building types ➔ different challenges
- Economic context
- Publicly owned vs. subsidized housing
- Regulatory context

Opportunities
- Vibrant Energy Efficiency Community
- Reforming the Energy Vision
A Large Potential Market

1.7 million units of Affordable Housing in NY

- 20 year cycle
- 40,000 units/year
- $30,000 to $50,000 per unit

$1.2 to $2 billion annual market
The Building Energy Exchange connects the Manhattan real estate communities to energy and lighting efficiency solutions through exhibitions, education, technology demonstrations, and research. We identify opportunities, navigate barriers to adoption, broker relationships, and showcase best practices at our resource center in the Surrogate’s Courthouse in Manhattan.

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