Highly Insulating Windows: Resolving the Weakest Link

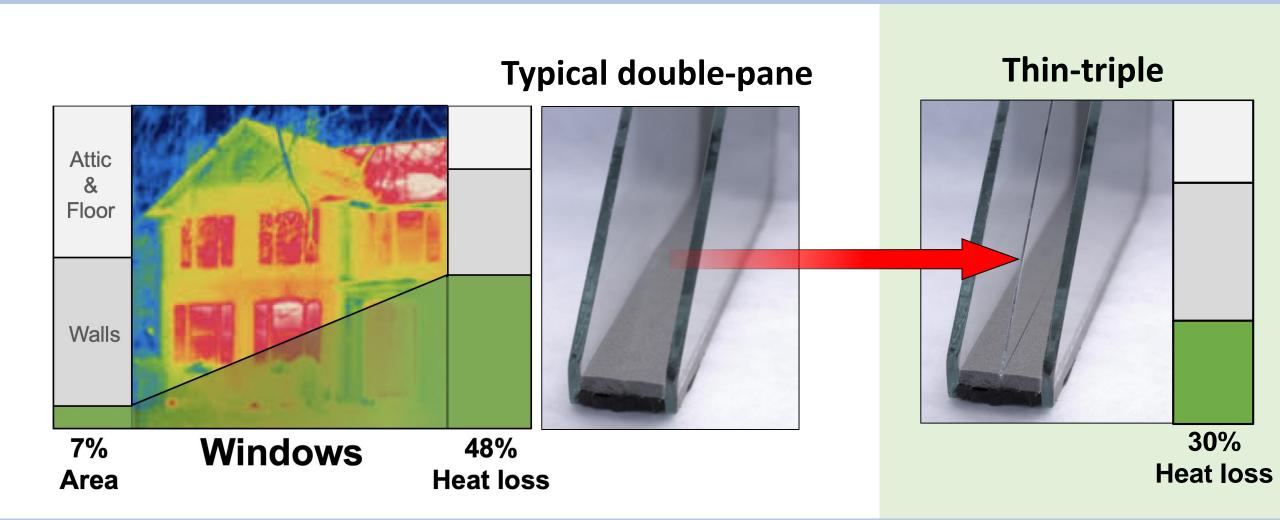
Robert Hart, Lawrence Berkeley National Laboratory



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ENERGY EFFICIENCY &

HIGHLY INSULATING WINDOWS

Resolving the weakest link



foreseeTM

Xin Jin, National Renewable Energy Laboratory



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foreseeTM



5%-18% energy saved in the lab

~1 Quad annual national savings

Bridge occupants and buildings

Unique tool for GEB research



Unique Building Identifier (UBID)

Mark Borkum, Pacific Northwest National Laboratory



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Unique Building Identifier (UBID)

Nora Wang and Mark Borkum





87C4VW7W+JWH-12-15-9-9

Location Extent

d=0: 00000000+000-0-0-0





Skydome Dardtronics ATM
Double Tree by Hilton Dardtronics ATM
Double Tree by Hilton Cardtronics ATM
Double T



Fig 1: Open Location Code (OLC) grid cells at increasing grid resolution level (denoted "d").









Fig 2: Application of methodology for UBID encoding operation to building footprint for 2019 BTO Peer Review venue.

Beyond Efficiency

Heather Goetsch, AAAS ST&P Fellow (BTO)



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