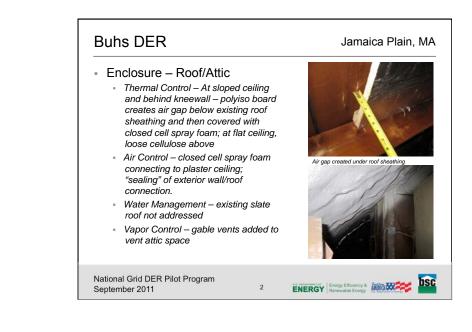
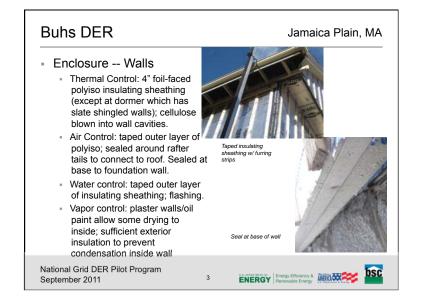
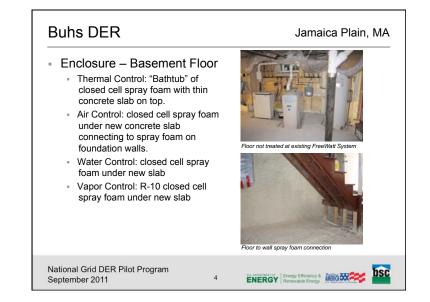
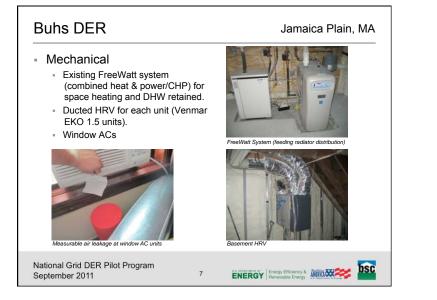
<ul> <li>Project Overvie</li> </ul>	w		
<ul> <li>Builder:</li> <li>Location:</li> <li>Climate:</li> <li>Type:</li> <li>Stories:</li> <li>Conditioned Flo</li> <li>6-Sided Surface</li> <li>Conditioned Voi</li> <li>Final Airtightnes</li> </ul> * Information provided by	Cold C 3 - Far 3 plus or Area*: e Area*: ume*: ss:	ca Plain, MA climate (5) nily full basement 5,300 sq. ft. 7,456 sq. ft.	
National Grid DER Pilot P	rogram		he

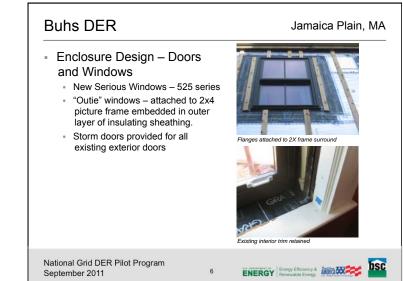












## Lstiburek

Somerville, MA

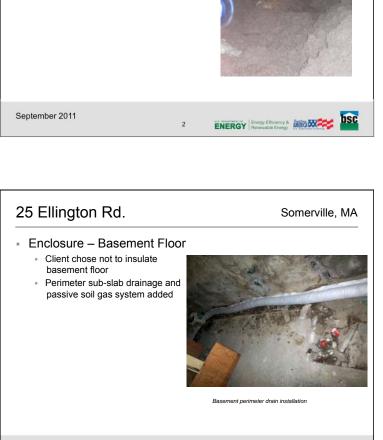


Somerville, MA

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ENERGY Energy Efficiency &

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## September 2011

ENERGY Energy Efficiency &

25 Ellington Rd.

Enclosure -- Walls

cavities.

intersection.

September 2011

- Thermal Control: 4" foil-faced polyiso

dormer which has slate shingled

walls); cellulose blown into wall

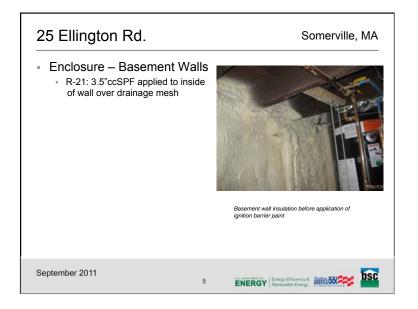
 Air Control: Roof deck and framing extended beyond wall; no direct connection between roof membrane and house wrap. Spray foam acted as air barrier for roof/wall

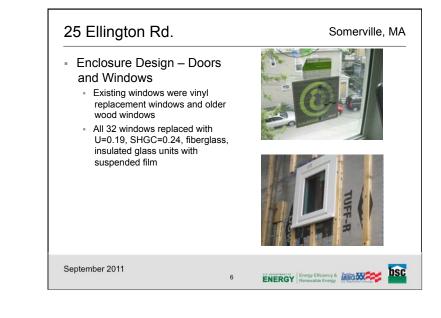
 Water control: Taped insulating sheathing behind lap siding - Vapor control: plaster walls allows drying to the inside; sufficient

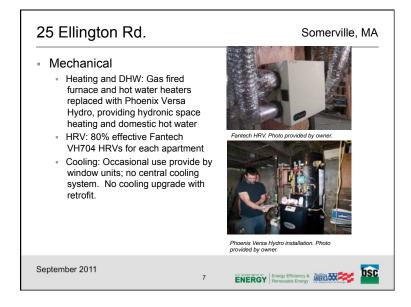
exterior insulation to prevent condensation inside wall

insulating sheathing (except at

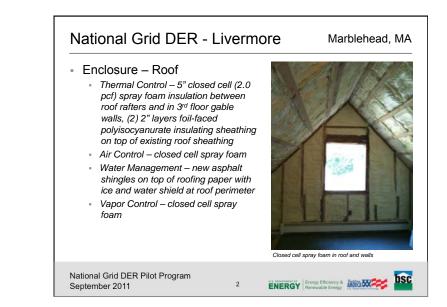
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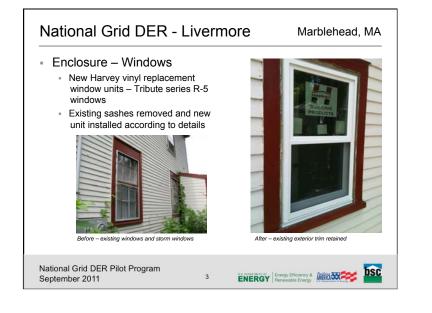


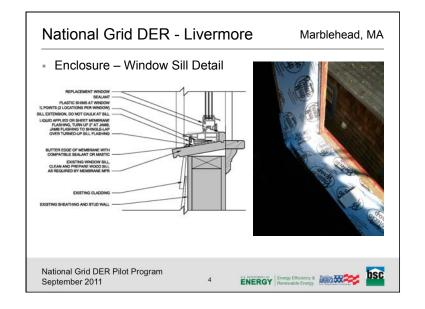




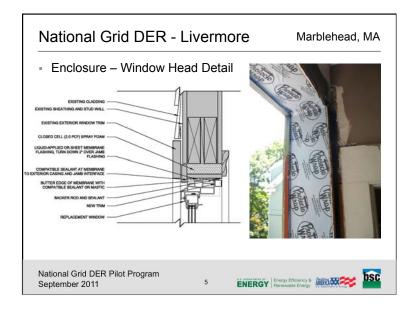
Project Overvie	W			
<ul> <li>Project Type:</li> </ul>	Roof-only partial retrofit (incl replacement and DHW & me equipment replacement)			
<ul> <li>Builder:</li> </ul>	New England Green Build			
<ul> <li>Location:</li> </ul>	Marblehead, MA			
<ul> <li>Climate:</li> </ul>	Cold Climate (5)			
Type:	2 - Family			
Stories:	3 plus full basement			
<ul> <li>Floor Area:</li> </ul>	2,000 sq. ft.			
<ul> <li>Surface Area:</li> </ul>	4,514 sq. ft.			
<ul> <li>Volume:</li> </ul>	24,000 cu. ft.	A THE P		
<ul> <li>Pre-Retrofit</li> </ul>				
Airtightness:	15.72 ACH 50	and the second sec		

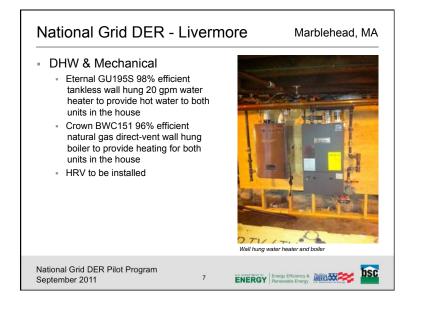


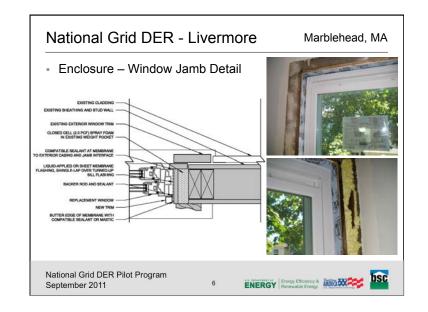


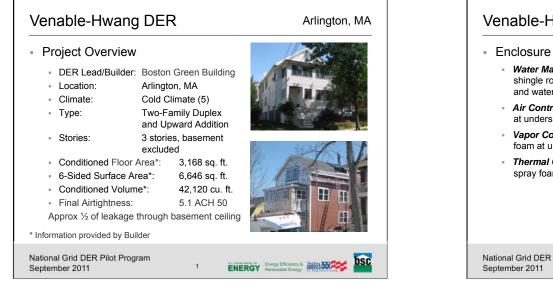


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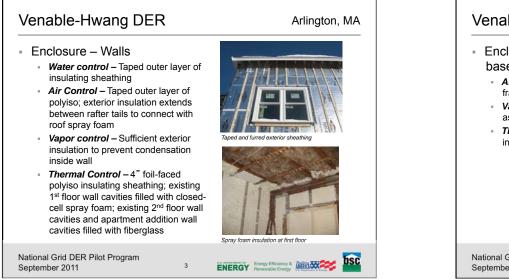






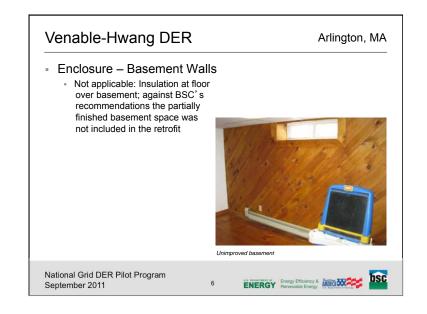


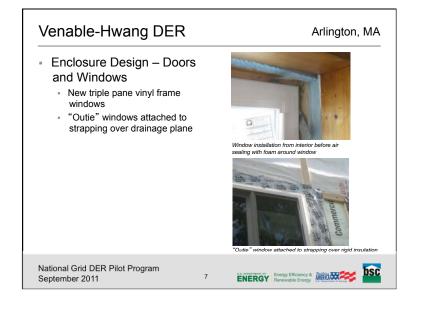


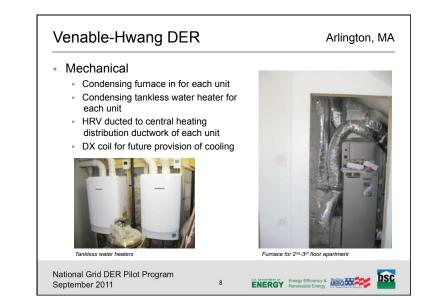


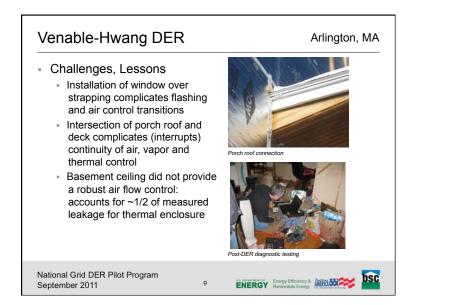


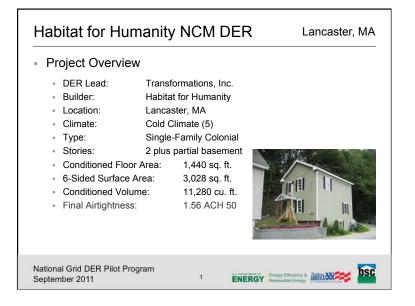


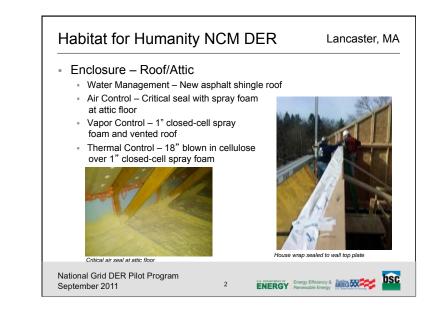


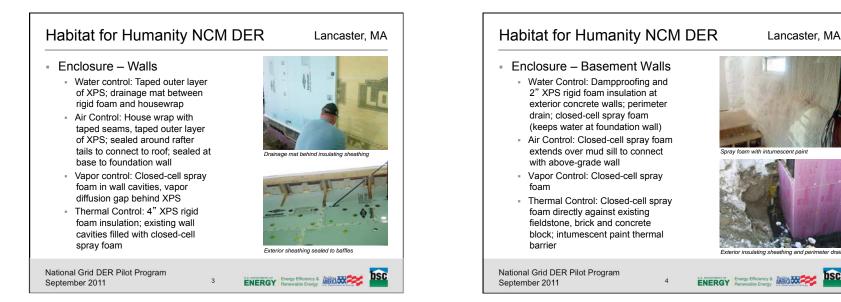


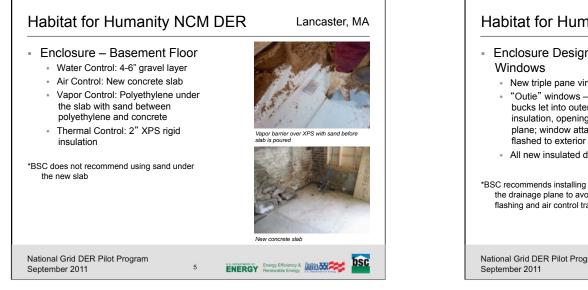


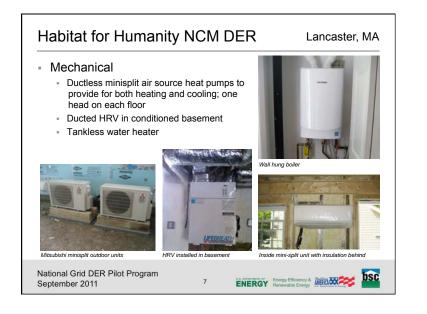




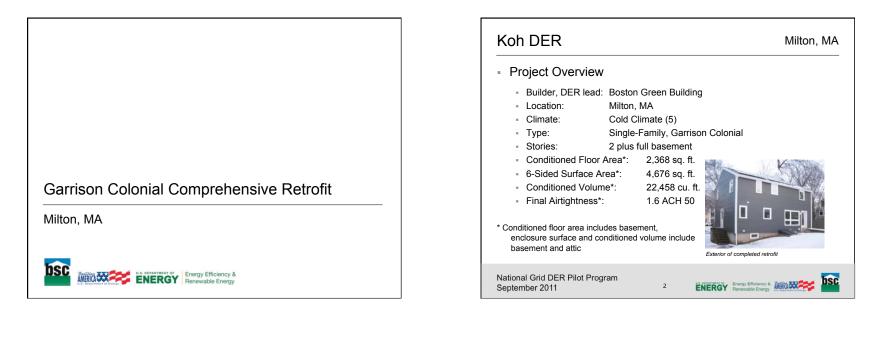


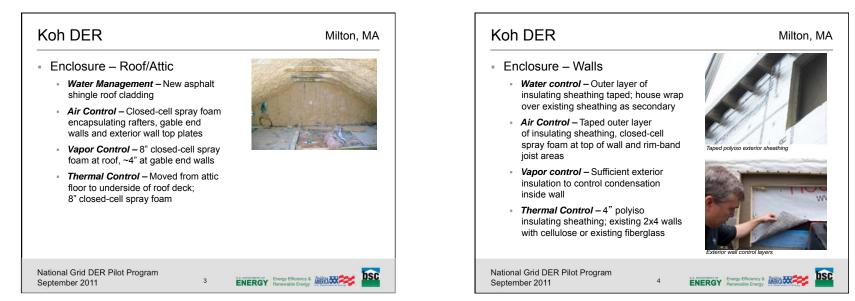


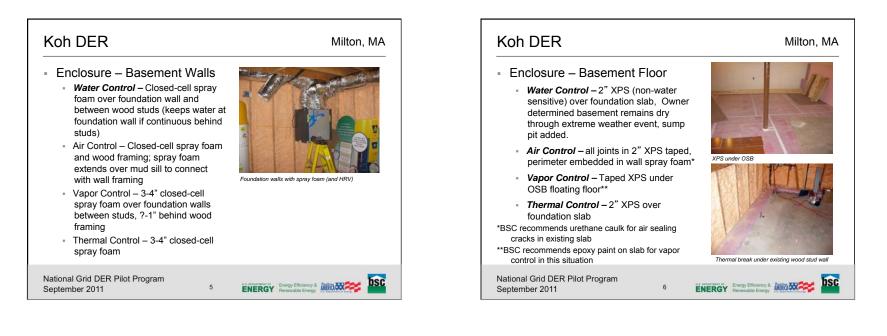




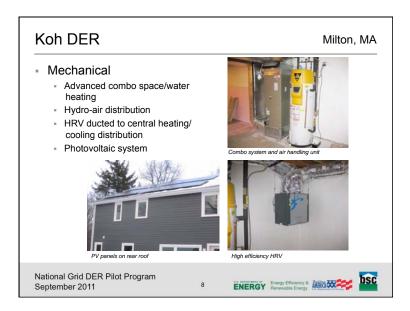






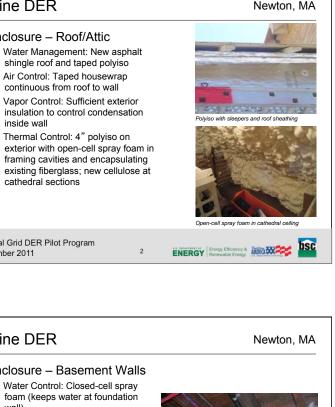


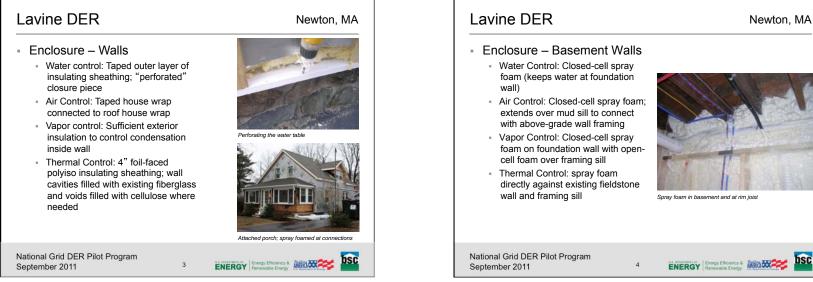


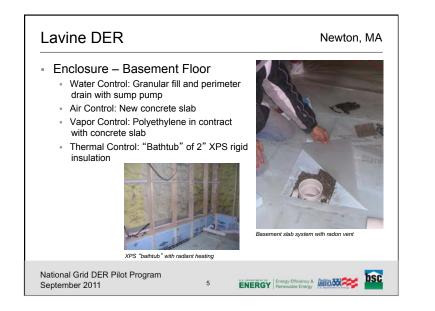


Koh DER	Milton, MA
<ul> <li>2<sup>nd</sup> floor, less water protect control and thermal control</li> <li>Installation of window over control transitions</li> <li>Perimeter of over-slab insu allowed embedding perime damage to slab insulation</li> </ul>	central ductwork requires back-draft
National Grid DER Pilot Program September 2011	9 ENERGY Efficiency & ANNU Eff

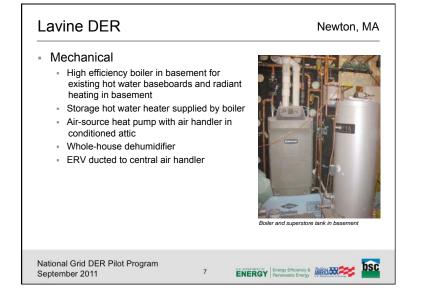




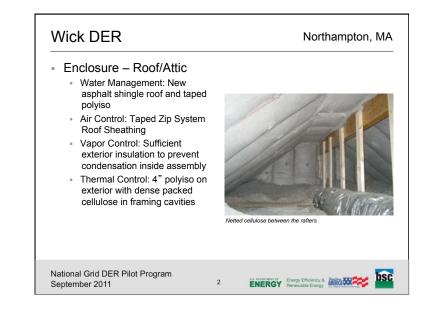


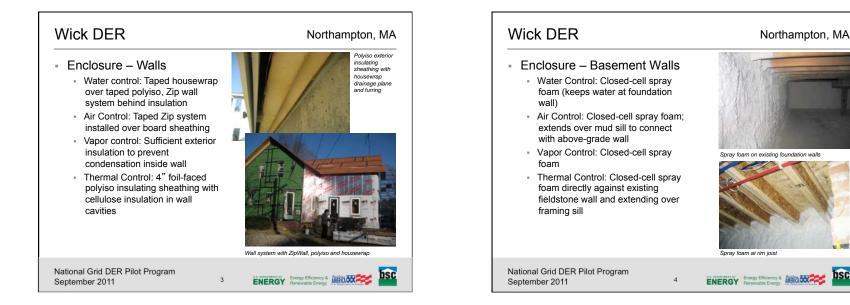




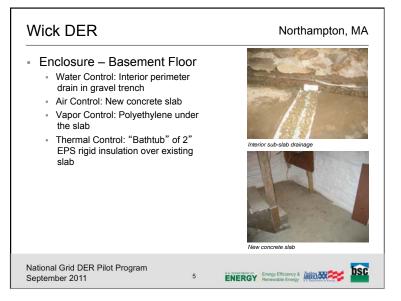


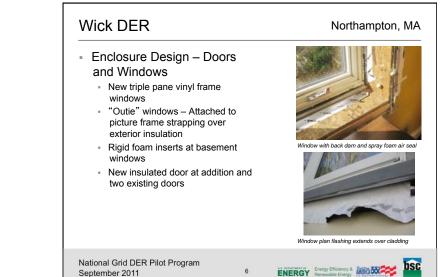
Wick DER			Northampton, MA		
Project Overvie	ew				
DER Lead:	Coldha	am&Hartman Arc	hitects		
- Builder:	Kent H	Kent Hicks Construction			
<ul> <li>Location:</li> </ul>	Northa	Northampton, MA			
<ul> <li>Climate:</li> </ul>	Cold C	Cold Climate (5)			
<ul> <li>Type:</li> </ul>	Single	-Family			
<ul> <li>Stories:</li> </ul>	2 plus	full basement	Press and a second		
<ul> <li>Conditioned Flo</li> </ul>	or Area*:	2,747 sq. ft.	The second		
<ul> <li>6-Sided Surface</li> </ul>	e Area*:				
<ul> <li>Conditioned Vo</li> </ul>	lume*:	34,624 cu. ft.			
<ul> <li>Final Airtightnes</li> </ul>	SS:	0.75 ACH 50			
* Information provided by	Builder				
National Grid DER Pilot P September 2011	rogram	1			





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September 2011

