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Integrating Energy Efficiency in the Mortgage Process



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Appraisal Reality

From an AI member (2002):

"I recently worked on an appraisal for a LEED Platinum home. It is the only one in the state. I have a rather sophisticated ROI Excel sheet for the solar panels. To make a long story short, the lender would not allow any adjustments with any direct comparables. There are almost zero closed sales with PV systems. I fought the good fight and all it did was get me sanctioned by the Appraisal Management Company (AMC)."

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Appraisal Reality

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- With this one case, a host of complications
 - Questions should be asked of the lender before the appraisal is started
 - Appraiser may need to ask the lender to put in writing how they will underwrite the PV system. If they tell you up front, they do not include them in the value of the home appraiser may need to take further steps to cover themselves
 - Appraisal scope of work may need to include the lender instructions. The appraiser may also want to make a hypothetical condition stating the lender has insisted no value be attributed to the PV system even though you have support for an adjustment. The borrower should know this up front as well to avoid a long argument and series of phone call from them



Appraisal Reality

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- Appraisals are used for lender risk management
- Appraisers reflect the market, they don't create the market
- Appraisals must be thoroughly researched and supported
- It would be inappropriate to use rule of thumbs (e.g. 10 percent for labels)



Appraiser Challenges

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Data

- We would all like to see paired sales to prove our adjustments in the market but at this time, we do not have sufficient sales to provide that analysis.
- There are market studies being done that may soon give us some more support or guidance.

Communication

 Appraisers are often not provided necessary information to complete a thorough analysis of the market

Procurement Processes

 The current appraisal procurement system is wholly deficient to address these issues

Valuing Green Buildings: Residential



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Appraisal Considerations: The Cost Approach

- Consider value of green features
- What are energy savings?
- What is the economic life of a green feature?
- Do green features add or detract from curb appeal?
- What are the current costs to replace green products?

Valuing Green Buildings: .



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Appraisal Considerations: The Sales Comparison Approach

- Observe instillation of energy efficient features
- Rely on paired data analysis
- Note adjustments will be based on contributory value not cost

Valuing Green Buildings: "Mapraisal Residential



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Appraisal Considerations: The Income Capitalization Approach

 Applicable for two- to- four-unit or non-owner occupied properties (see slides on commercial appraisal considerations)

Valuing Green Buildings: Commercial



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Appraisal Considerations: The Income Approach

- Green building investment hypothesis
- Note property revenue
- Verify turnover rates
- Record rate of absorption
- Use DCF analysis
- Record value impact of incentives

Appraisal Institute Actions



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Education

- The Appraisal Institute has developed education on this subject nearly a decade ago
- We've hosted a series of webinars, seminars and courses on the subject
- Our latest offering is a Professional Development program on the Valuation Sustainable Buildings
 - Introduction to Green Buildings
 - Case Studies in Appraising Green Residential Buildings
 - Case Studies in Appraising Green Commercial Buildings
- Public Policy
 - SAVE Act, GREEN Act
- Appraisal Forms
 - Residential Green and Energy Efficient Addendum



Al Green Addendum

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1	Client File #:	Appraisal File #:				
dli.	Residential Green and Energy Efficient					
	Addendum					
AI Reports [®]	Client:					
Form 820.03*	Subject Property: City:	State:	Zip:			
Additional resources to aid in the valuation of green properties and the completion of this form can be found at						
http://www.appraisalinstitute.org/education/green_energy_addendum.aspx						

ENERGY EFFICIENT ITEMS

The following items are considered within the appraised value of the subject property:											
	□ Fiberglass Blown-In □ Foam Insulation □ Cellulose					Fiberglass Batt Insulation			R-V	alue:	
Insulation	Other (Describe):									Walls	
	Basement Insulation (Describe):									Ceiling	
	□ Floor Insulation (Describe):								Floor		
	Reclaimed Water System (Explain):				Cistern - Size: Gallons Locati				on:		
Water Efficiency	□ Rain Barrels - #:			Rain Barrels Provide Irrigation							
Windows	□ ENERGY STAR®	Low E	🗆 High Impact		Storm		Double Pane riple Pane		inted		Solar Shades
Day Lighting	□ Skylights – #:	Solar Tubes - #:	ENERGY STAR Light Fixtures Other (E			plain)):				

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PACE Program

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- FHFA has issued a request for comment on PACE
 - The existence of a PACE loan is comparable with situations that involve a special assessment for sewer or water. The special assessment can pass to the new buyer or be paid off by the seller. When paid off by the seller, it is negotiated in the sale price.
 - This is a form of sales or seller concession. Recognized appraisal methodology would likely deduct this concession dollar for dollar under a "cash equivalency" basis.
- The appraiser would consider the PACE loan as a concession paid by the seller and derives its cash equivalency, so the price paid for Sale 2 is equal to Sale 1. As a result, the appraiser would deduct \$10.000 from Sale 2's price.

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		Sale 1	Sale 2				
	Sale Price	\$175,000	\$185,000				
	Concessions	None- No PACE or Utility Loan	Seller paid \$10,000 PACE Loan				
			or utility payment				
	Financing	Conventional mortgage	Conventional Mortgage				
	Date of contract	7/2/2011	7/31/2011				
	Energy Efficiency	Good – HERS 55	Good-HERS 58				

Green Building Market Acceptance



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Critical Mass and Market Recognition

- Green building demand
- Climate change
- Improving public image
- Global emphasis on carbon reduction and neutrality
- Personal satisfaction
- Costs Savings



Questions?



Thank You!

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To learn more about the Appraisal Institute: www.appraisalinstitute.org