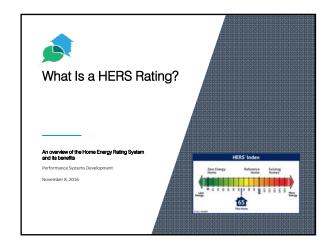
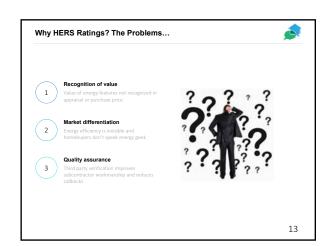
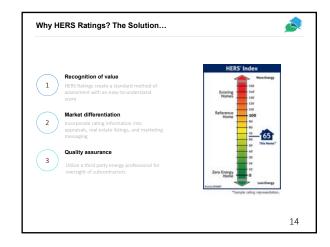
HERS Ratings in Pennsylvania - Why, What, and How? CEU APPROVED **Description** Nearly a quarter of all homes built in Pennsylvania receive HERS Ratings and the number is growing each year. Many builders say they build energy efficient homes, but with the Home Energy Rating System (HERS) a builder can prove it. A skilled energy professional performs software analysis, insulation and air barrier inspections, and blower door and duct leakage testing that combine to yield a HERS Index score. This score gives homebuyers critical information about a home's energy performance that's easy to understand. At the same time, builders receive expert consulting and quality assurance services from a certified HERS Rater, and may even be eligible for utility rebates. **Learning Objectives** • Be able to describe the HERS Index and its benefits, including marketing, quantification of the costs of homeownership, and the application of a clear metric to home performance. Understand services provided by HERS Raters, including performance testing of building systems, in order to better implement high performance residential features. • Be able to locate a certified HERS Rater in specific areas throughout PA. Understand how to utilize HERS Ratings in PA to qualify for utility rebates to help to reduce overall project costs.



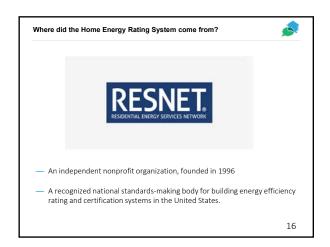
Mike Turns Senior Program Manager PSD, including new home rebate programs across Pennsylvania and the Penn Energy Codes Program. At Performance Systems Development (PSD), we translate building science expertise into innovative energy efficiency programs, engineering services, training & powerful software tools.



2



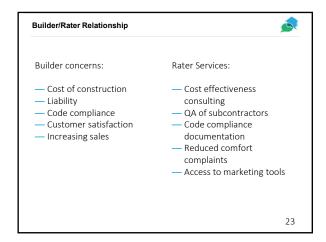


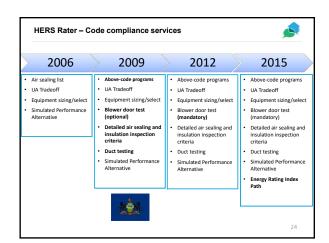


-	
 Home Energy Rating System (HERS®) is the nationally recognized system for inspecting and calculating a home's 	S
energy performance.	
 When doing a comprehensive HERS energy rating, a certif RESNET HERS Rater will conduct a series of diagnostic test using specialized equipment, such as: a blower door test, leakage test, and infrared cameras 	ts
The amount and location of air leaks in the building envelope The amount of leakage from HVAC distribution ducts The effectiveness of insulation inside walls and ceilings	
	17
ww.hersindex.com	17
RESNET	٨
Other variables that are taken into account include: Floors over unconditioned spaces (like garages or basements) Attics, foundations and crawlspaces Windows and doors, vents and ductwork	
Water heating system and thermostats	
ww.hersindex.com	18
What is a HERS Rating? The comprehensive HERS rating provides: — A computerized simulation analysis utilizing RESNET Accredited Rating Software to calculate a rating score on the HERS Index.	*

www.hersindex.com

What is a HERS Rating? ANSI/RESNET 301-2014: Standard for the Calculation and Labeling of the Energy Performance of Low-Rise Residential Buildings using the HERS Index What is a HERS Rating? (Video) 21 Certified Home Energy Raters Rater Certification Process: — Two-week long training — National Rater Exam - Mentoring for first 5 Ratings – "Providership" QA on a percentage of all Ratings - Continuing education

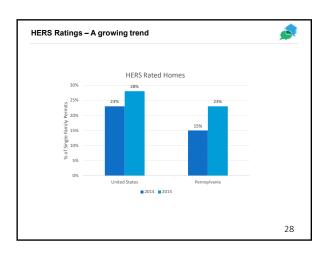


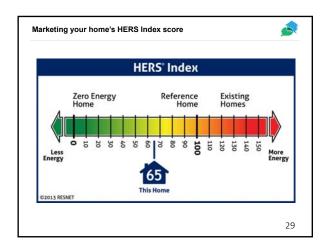




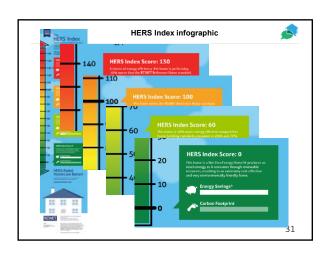




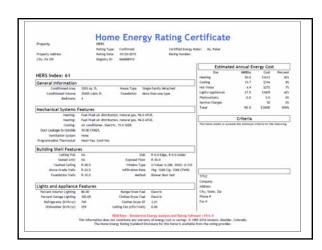


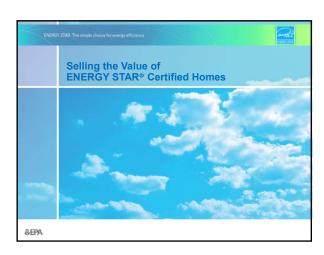
























	_
Act 129	
Rebates for builders of new homes	
Demonstration And 400 of 2000]
Pennsylvania Act 129 of 2008	
Energy Efficiency and Conservation (EE&C) Programs - Act 129 directed all electric distribution companies with at least	
100,000 customers to develop and file an energy efficiency and	
conservation plans.	
Programs include rebates for appliances, lighting, HVAC & DHW	
equipment, energy audits, new home construction, etc.	
Builder rebates are available in the following service territories:	
• Met-Ed • PPL	-
FirstEnergy's Pennsylvania	
Penn Power PECO West Penn Power	
43	
Residential New Construction Programs: Eligible Housing Types]
All units must have individual <u>residential electric meters</u> and must be in buildings that are:	
— 3 stories or less or	
— 4 or 5 stories with:	
 separate heating, cooling and DHW systems for each unit and 	
— dwelling units that occupy at least 80% of the buildings	
occupiable square footage	
44	

