

Housing Technology

Housing Technology

V(A). Planned Program (Summary)

1. Name of the Planned Program

Housing Technology

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	100%		100%	
	Total	100%		100%	

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	1.3	0.0	2.6	0.0
Actual	2.3	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c 28299	1890 Extension	Hatch	Evans-Allen
	0	0	0
1862 Matching 76366	1890 Matching	1862 Matching	1890 Matching
	0	0	0
1862 All Other 6046	1890 All Other	1862 All Other	1890 All Other
	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Courses are offered in Minnesota and across the United States in partnership with the building industry and its constituents. Ongoing research continues to increase the quality and quantity of these educational opportunities. The following topics are core to our Housing Technology Programs: Indoor Air Quality in Residential Settings; Moisture Control and Mold; Radon Measurement, Radon Mitigation, and custom courses on new and emerging subjects.

In 2008, primary activities involved responding to consumer demand for radon education, and working with state agencies and local stakeholders to respond to policy issues related to housing industry standards and the foreclosure crisis. The State of Minnesota has passed a requirement that will go into code mid-year 2009, requiring radon-resistant construction practices. Materials and education are being created to respond with trainings and educational venues to help the industry respond. Staff and specialists are working with state agencies and neighborhood partners to design responses to the foreclosure activity. With new funding to rehabilitate foreclosed properties, the collaborative goal within communities and state government is to create a system-guided process to make these rehabilitation the best they can be for residents and communities.

Interest in radon is growing on the consumer side. With that, there is more demand for the radon mitigation work. So there are more contractors prepared and available to do the mitigation work and more consumers asking for it. (For more information, visit [http://www.extension.umn.edu/Environment/.](http://www.extension.umn.edu/Environment/))

Reviewers should note that the absence of Experiment Station dollars for research specialists in youth development does not correspond to a lack of research base for 4-H programs. Rather, other dollars and collaborations are utilized to assure that research base.

2. Brief description of the target audience

The target audience for this information is builders, remodelers, contractors, mitigators and others involved with avoiding and resolving problems in homes. Housing technology education has been "hard-wired" into the field of housing construction through substantive relationships with 1) state government (24% of contacts); 2) housing and economic development organizations and federal government (16%) and 3) professional industry associations and trade associations (12% each). The nature of these relationships allowed Extension to pass along expert advice (56% of contacts) and play a role in influencing other organizations' outcomes and processes (28%).

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	914	5700	0	0
2008	1662	8498	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008:	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	1	0	
2008	6	0	6

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Educational courses will be delivered to the target audiences.

Year	Target	Actual
2008	65	74

Output #2

Output Measure

New research will result in the development of new and revised educational materials. (Target expressed as the number of new or revised curriculum materials.)

Year	Target	Actual
2008	1	6

V(G). State Defined Outcomes

O No.	Outcome Name
1	Improve the durability of new homes by working with builders. (Target expressed as the number of new homes affected.)
2	Improve the availability of healthy and affordable housing through the mitigation of indoor environmental risks. (Target expressed as number of homes affected.)

Outcome #1

1. Outcome Measures

Not reporting on this Outcome for this Annual Report

2. Associated Institution Types

3a. Outcome Type:

3b. Quantitative Outcome

Year	Quantitative Target	Actual
------	---------------------	--------

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
---------	----------------

V(H). Planned Program (External Factors)

External factors which affected outcomes

Natural Disasters (drought,weather extremes,etc.)

Public Policy changes

Government Regulations

Competing Public priorities

Populations changes (immigration,new cultural groupings,etc.)

Brief Explanation

Reviewers should note that the absence of Experiment Station dollars for research specialists in youth development does not correspond to a lack of research base for 4-H programs. Rather, other dollars and collaborations are utilized to assure that research base.

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

After Only (post program)

Evaluation Results

Key Items of Evaluation