

Contribution Report  
 Healthy Colorado Homes Work Team – Strong Families, Healthy Homes  
 Program Year 2007

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1. **Program Outputs:**

<u>67</u>	Number of trainings / workshops.
<u>4,521</u>	Number of adult participants in these trainings / workshops.
<u>17</u>	Number of K-12 participants in these trainings / workshops.
<u>6,593</u>	Individual consultations about radon by phone or in-person.
<u>741,038</u>	Number of individuals receiving indirect education - online access to newsletters, educational materials, media.
<u>\$29,644</u>	Amount of grant dollars generated to support this program.
<u>4</u>	Number of newsletters distributed in support of this plan of work.
<u>5</u>	Number of technical (fact sheets) and refereed journal articles published
<u>1</u>	Number of curriculums developed that support this plan of work.
<u>3</u>	Number of trainings conducted for Extension staff.

2. **Program Outcomes:**

- **Immediate (learning) changes:**

Number of program participants reporting **Knowledge Gained** in relation to:

Total # in Program	# reporting gain	Knowledge gained in
4,521	4,521	Potential radon problems in the home
4,521	4,521	Radon testing
4,521	3,165	Radon mitigation
275	275	Radon issues related to real estate
16	16	Radon issues related to health care

Number of program participants **changing an attitude** as a result of the program

Total # in Program	# reporting change	Attitude changed
4,521	4,521	Importance of radon testing
4,521	3,165	Importance of radon mitigation

Number of participants **intending to change a behavior** as a result of training

Total # in Program	# reporting intent	Behavior intending to change
4,521	2,650	Conducting radon testing--this is the number of radon kits given to the public, either free (2,468) or sold (182)

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• **Short/medium term (action) changes:**

Number of program participants reporting **behavior changes / use of skills** in relation to:

Total # in Program	# reporting change	Behavior or skill
4,521	2,120	Tested home for radon (assuming 80% of those obtaining a radon test kit used it)
4,521	853	Assistance given to those with a radon problem

• **Long-term (conditions):**

1. Poor indoor air quality can be a serious health risk for Coloradans, all of whom should take the appropriate steps to protect themselves and their families, according to air quality and respiratory health experts.
2. Many factors play a part in determining indoor air quality, including pollutants generated by materials and/or products used within the home, pollutants that enter from outside the home, and activities of the home's occupants.
3. The majority of counties in Colorado fall into EPA Zone 1, which means that these counties have a predicted average indoor radon screening level greater than 4 pCi/L (pico curies per liter), the level at which EPA recommends mitigation to reduce the risk of lung cancer.
4. A home can be a family's greatest asset, yet many homeowners do not know why and how to take the necessary measures for maintaining the integrity and value of their home, as well as ensuring the safety of its occupants.

3. **Additional Inputs:**

# 2 major agencies you partnered with in this program effort. Please list these agencies:

Colorado Department of Public Health and Environment  
 USDA/HUD

County agents have a number of partners (not recorded)

\$ \_\_\_\_\_ User fees generated through this program effort (not recorded)

4. Describe successful efforts to reach new and/or underserved audiences locally in this POW area:

Series of workshops given to Habitat for Humanity on housing issues.  
*Help Yourself to a Healthy Homes* booklet available in Spanish.  
 Housing news briefs on Spanish radio and TV.  
 Program in Silverton at a flu clinic.  
 Assisted in radon, mold, and overall indoor air quality testing in Southern Ute homes.  
 Booklet distributed at a Head Start safety fair.  
 Presentation given to a class of 17 fifth grade students.  
*House Records Organizer* distributed at first-time home buyer classes.  
 Presentations at senior citizen centers.  
 Collaborated with radon mitigation contractors to provide affordable mitigation for low-income families whose homes tested high.

5. Provide a description of program accomplishments:

General

- An increased number of homes in Colorado are being tested annually for radon.
- Homes with elevated radon levels are being mitigated in Colorado.
- New homes are being built with passive radon resistant systems.

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- A larger number of calls are being received related to housing issues.
- The press is publishing columns about home safety and indoor air quality issues.
- Lung cancer risks are decreased every time a home is mitigated for radon.
- Accidents in the home are reduced as a result of following safe housing practices.

Accomplishments at the State Level

- The work team wrote a successful Venture Capital Fund grant proposal to revise the *House Records Organizer* and to copy the guts of the notebook to be provided to program participants. This will be used to teach Colorado residents the importance of preventative home maintenance and record keeping. Copies of the notebook were available at Extension Forum along with a poster describing the notebook.
- Four *Housing and Design* newsletters were written and distributed to all CSUE employees. The newsletter focuses on healthy homes issues such as indoor air quality, preventing accidents in the home, cleaning techniques, and innovations in the housing field. Updates are also provided on housing-related activities in Colorado.
- A CD-ROM was produced to coincide with the content of *Help Yourself to a Healthy Home*. Approximately 300 copies of the booklet were distributed to the public.
- Four conference calls and two face-to-face meetings involving the work team.
- Specialist published the articles “Influence of past residence on environmental perceptions of homelike in assisted living facilities” in the *Hawaii International Conference on Arts and Humanities Proceedings*, “Kitchen and bath trends for housing” in *Housing and Society*, “Accomplishments of a 10-year indoor air quality program,” in *Journal of Environmental Health*, and “Designing assisted living facilities to foster a sense of home” in *Housing and Society*.
- The fact sheets *Home Modifications for Persons with Disabilities*, *Lead-Based Paint in Homes*, and *Radon in the Home* were updated. Two fact sheets *Selecting Carpet for Your Home* and *Selecting Upholstered Furniture for Your Home* were completely revised. There are currently 19 housing fact sheets receiving approximately 5,000 hits each a year, resulting in a total of about 95,000 hits in 2007.
- Improved the Healthy Colorado Homes Web site.
- Presentations/posters on healthy homes were given in INTD 200 (Housing Values in America), Priester National Extension Health Conference, National Kitchen and Bath Association Conference, National Extension Association of Family and Consumer Sciences Conference, Housing Education and Research Association Conference, and Colorado Community Action Association Conference.
- The work team’s radon education program received three awards in 2007: National Extension Association of Family and Consumer Sciences Environmental Education Award (Western Region and National) and Soap and Detergent Association Safe and Healthy Families Award (Western Region).
- The Healthy Colorado Homes work team received two awards in 2007: Epsilon Sigma Phi State Team Award and Colorado State University Extension Team Award.

Accomplishments at the County Level

- Conducted 67 workshops on a variety of housing issues, including healthy homes, mold, and radon.
- Led public meetings on indoor air quality issues.
- Presented housing programs to county employees.
- Conducted programs on radon for 275 real estate professionals.
- Conducted programs on radon for 16 local health professionals.
- Answered phone calls on healthy homes and indoor air quality questions.
- Worked directly with residents to assist with the identification and removal of mold.
- Worked directly with residents to assist with radon mitigation.
- Provided radon resistant construction information to local contractors and residents.
- Created and used radon display boards at county fairs, air quality seminars, builder’s conferences, and senior centers.
- Distributed free radon test kits individually and in public settings.
- Published columns and press releases in local papers (including weekly columns) related to the topic of healthy housing.

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- Utilized radio as a source of dissemination on healthy housing (including weekly shows and use of Radio Reading Service of the Rockies).
  - Utilized TV as a source of dissemination on healthy housing (including interviews, public service announcements, and programs).
  - Utilized other informational sources (insert with electric bill, brochures, and insert with property tax bill).
  - Worked with county commissioners to enact radon resistant new construction.
  - Conducted radon mitigation workshops for home owners and builders.
  - Presented workshops on housing health and wealth.
6. As a result of program evaluation, implementation or community input; are there changes or suggestions you have for this work team, its plan of work or the contribution report?

For indoor air quality, expand program to include mold in the home.  
Develop curriculum to support *House Records Organizer*.  
Add energy conservation in the home as a topic of concern.