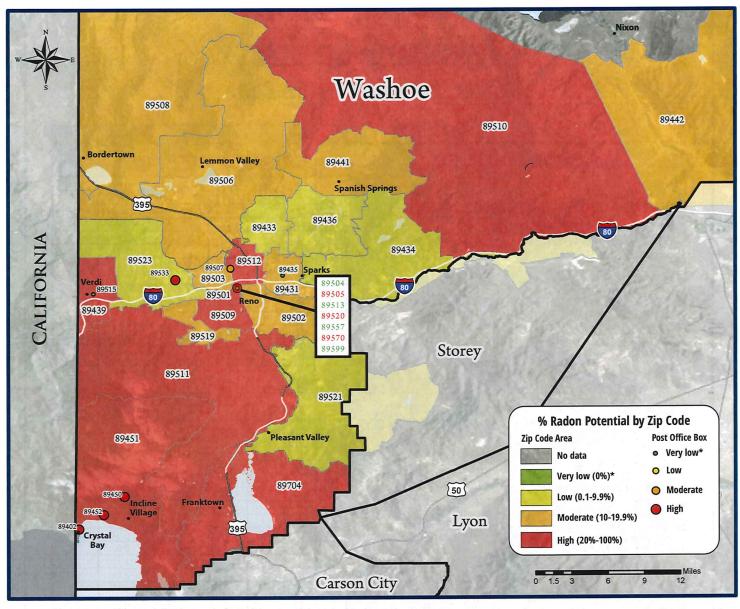
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# Washoe County (Reno Area) Radon Potential by Zip Code



\*Small sample size: more testing is needed to reference reliable rador potential for this area.

Zip codes in Washoe County with no data: 89424, 89555, 89557, 89595

Radon is a colorless, odorless, and tasteless radioactive gas that occurs naturally in most rocks and soils. It is produced by the decay of uranium in soil, rock and water. Radon is harmlessly dispersed in outdoor air, but when trapped in buildings it can build up, increasing the risk of lung cancer.

The EPA Action Level: The U.S. EPA recommends that you take action to reduce radon levels that are 4.0 pCi/l or higher.

\*The EPA and the U.S. Surgeon General recommends all homes be tested for radon.

Nevada Radon Education Program

#### FOR MORE INFORMATION

www.RadonNV.com 1-888-RADON10 Flip page over to view chart with data listed by zip code.



Nevada Radon Education



@NV Radon Program

\*\*Note: Results are based on independently tested home data from program-provided kits, radon professionals and radon labs, from 1989 to June 30, 2018. When known, post-mitigation results are not included and usable results are valid tests, one per home, using the highest radon level on the lowest tested level of the home.



This publication was supported by the Nevada Division of Public and Behavioral Health through Grant Number K1-96963519-0 from the U.S. Environmental Protection Agency (EPA). Its contents are solely the responsibility of the authors and department of the support of the support

BCC 12-17-19 # Cooperative Extension

# Washoe County Radon Potential by Zip Code

			Range	of rado		Radon Levels by pCi/l						
Washoe	Valid	less than 4 pCi/l	4 pCi/l and greater	% Radon Potential	≥0<4	≥4<10	≥ 10 < 20	≥20 < 50	≥ 50 < 100	≥ 100	Average	Highest
89402 P.O. Box Crystal Bay	52	34	18	34.6%	34	15	3	-	_:-	-	4.02	17.9
89405 EMPIRE	3	3		0%*	3	-	-	-		-	1.53	2.0
89412 GERLACH	5	3	2	40.0%*	3	2	-	-	-		2.92	5.7
89431 SPARKS	348	278	70	20.1%	278	58	10	2	-		2.94	25.4
89432 P.O. Box Sparks	5	4	1	20.0%*	4	1	-	-	i.e.		2.60	5.0
89433 SUN VALLEY	217	202	15	6.9%	202	15	A=0	-	-		1.71	6.6
89434 SPARKS	380	370	10	2.6%	370	10	-	-	-	1	1.49	8.2
89435 P.O. Box Sparks	3	3		0%*	3	14	-	-	-	-	1.10	1.6
89436 SPARKS	816	760	56	6.9%	760	46	8	1	1	-	2.05	55.3
89439 VERDI	123	66	57	46.3%	66	32	11	8	3	3	10.20	144.4
89441 SPARKS	286	240	46	16.1%	240	42	3	-	1	-	2.81	73.8
89442 WADSWORTH	7	6	1	14.3%*	6	1	-	-	-	-	2.47	5.3
89450 P.O. Box Incline Village	90	60	30	33.3%	60	27	2	1		-	3.67	29.7
89451 INCLINE VILLAGE	1032	657	375	36.3%	657	312	53	8	2	-	4.15	91.3
89452 P.O. Box Incline Village	10	7	3	30.0%	7	3		-	-	-	3.10	9.0
89501 RENO	32	17	15	46.9%	17	10	3	2	-	-	6.63	30.7
89502 RENO	518	430	88	17.0%	430	65	19	3	1	-	2.86	64.3
89503 RENO	483	400	83	17.2%	400	73	7	3	-	-	2.56	42.0
89504 P.O. Box Reno	2	2		0%*	2	-	-	-	z <del>-</del>	-	1.95	2.0
89505 P.O. Box Reno	6	4	2	33.3%*	4	1	1	-	-	-	4.73	16.1
89506 RENO	454	405	49	10.8%	405	45	4	-	-	-	2.15	17.3
89507 P.O. Box Reno	24	20	4	16.7%	20	4	-	-	-	-	1.74	5.2
89508 RENO	188	154	34	18.1%	154	27	4	3	-	-	3.15	41.2
89509 RENO	1427	907	520	36.4%	907	330	128	50	9	3	5.68	195.0
89510 RENO	64	40	24	37.5%	40	15	6	2	1	-	5.60	51.0
89511 RENO	1332	935	397	29.8%	935	321	64	11	-	1	3.72	155.6
89512 RENO	227	176	51	22.5%	176	38	10	3	-	-	3.34 .	34.1
89513 P.O. Box Reno	1	1	-	0%*	1	-	-	12	-	-	0.50	0.5
89515 P.O. Box Reno	2	2	-	0%*	2	-	-	-	-	-	1.15	1.7
89519 RENO	427	370	57	13.4%	370	52	4	1		-	2.24	26.7
89520 P.O. Box Reno	3	2	1	33.3%*	2	1	-	-	-	-	3.13	5.3
89521 RENO	645	585	60	9.3%	585	54	5	1	-	-	2.01	20.5
89523 RENO	747	675	72	9.6%	675	56	11	5	-	-	2.15	34.0
89533 P.O. Box Reno	4	2	2	50.0%*	2	1	1	-	-	-	5.40	10.1
89570 P.O. Box Reno	2	1	1	50.0%*	1	-	1	-	-	12	6.20	11.1
89599 P.O. Box Reno	4	4	7 -5-3	0%*	4	-	-	-	-	-	2.78	3.3
89704 WASHOE VALLEY	195	115	80	41.0%	115	68	11	1	-	-	4.14	24.0
Totals	10164	7940	2224	21.9%	7940	1725	369	105	18	7	3.35	
				otal Tests	78%	17%	4%	1%	0%	0%		

\*Small sample size: more testing is needed to reference reliable radon potential for this area.

Zip codes in Washoe County with no data: 89424, 89555, 89557, 89595

# BASIC RADON FACTS



# Nevada Radon Education Program

A FEDERALLY FUNDED PROGRAM THROUGH THE NEVADA DIVISION OF PUBLIC and BEHAVIORAL HEALTH AND THE U.S. ENVIRONMENTAL PROTECTION AGENCY

#### Radon is a cancer-causing, radioactive gas.

Radon is a naturally occurring radioactive gas released in rock, soil and water from the natural decay of uranium. While levels in outdoor air pose a relatively low threat to human health, radon can accumulate to dangerous levels inside any home. You can't see, smell or taste it, but an elevated radon level in your home may be affecting the health of your family.

Radon is measured in picocuries per liter of air (pCi/l), a measurement of radioactivity. Breathing radon can increase your risk of lung cancer and is the number one cause of lung cancer among people who do not smoke. It is the second leading cause of lung cancer for people who do. According to experts, living in a home with an average radon level of 4 pCi/ poses as much risk of developing lung cancer as smoking half a pack of cigarettes a day!

If you smoke and your home has a high level of radon, your risk of lung cancer can increase even more. The U.S. Surgeon General, the Centers for Disease Control and Prevention and the Environmental Protection Agency (EPA) recommend fixing homes with radon levels at or above the action level of 4 pCi/l. EPA also recommends that people think about fixing their homes for radon levels between 2 and 4 pCi/l.

#### Radon is found in every state.

Homes with high levels of radon have been found in every state. No area of the country is free from risk. In fact, radon levels can vary greatly from home to home. Even levels of homes next door to each other can be very different.

#### You should test for radon.

The only way to know if your home is under the EPA action level of 4 pCi/l is to test. Testing for radon is easy. If your house has a radon problem, it can be fixed. Fixing a radon problem reduces the risk of lung cancer for you and your family.

A simple test will tell you if your home has an elevated radon level. The test takes three days, and it's as easy as opening a package and placing the test device in a designated area. After sending the test kit to the lab for analysis, you should receive radon results in about two weeks.

Radon test kits are available at most University of Nevada, Reno Extension offices. Contact the Radon Hotline at 888-RADON10 to find the nearest office or to inquire about radon testing. Information about testing your home for radon is also available by visiting Nevada's Radon Education Program website: www.RadonNV.com

#### **How to Obtain Radon Test Kits**

Visit <u>www.RadonNV.com</u> or call 888-RADON10 (888-723-6610) to:

- Find a University of Nevada, Reno Extension or partner office to pick up a kit
- · Order a kit online
- · Order a kit by mail

University of Nevada, Reno Extension, Washoe County

4955 Energy Way Reno, NV 89502 888-RADON10 (888-723-6610) www.RadonNV.com

#### **Basic Radon Facts (continued)**

Based on a national residential radon survey completed in 1991, the average indoor radon level is about 1.3 pCi/l in the United States. The average outdoor level is about 0.4 pCi/l. Therefore, all homes will have some amount of radon. Even if your home tests below the action level, EPA recommends homes be tested every two years, before and after remodeling, or after significant seismic activity.



#### You can fix a radon problem.

The cost of making repairs to reduce the radon level depends on several factors, including how your home was built. Most homes can be fixed for about the same cost as other common home repairs, like painting or having a new hot water heater installed. The average cost in Nevada for a contractor to mitigate radon levels for a slab or basement foundation is \$2,500, and the average cost for a crawl space foundation is \$3,800. Call the Extension office listed below or the state radon office, 888-RADON10 (888-723-6610), to locate radon mitigators in your area. All mitigated homes should be tested after 24 hours to ensure the system is working. EPA recommends testing every two years thereafter.

#### New homes can be built with radon-resistant features.

Building new homes with simple and cost-effective radon-resistant features can reduce radon entry. The cost to install radon-resistant new construction features is much less than the cost of fixing an existing home. For many homes the cost is less than \$1,000.

Every new home should be tested before, or soon after you move in. Even homes built with radon-resistant construction features should be tested. If radon levels at or above the EPA's action level of 4 pCi/l are detected, it is easier and costs less to reduce radon levels in homes that are built radon-resistant.

#### For more information:



- □ Toll-free Radon Hotline: 888-RADON10 or 888-723-6610
- Program website: <u>www.RadonNV.com</u>
- Nevada Radon Education Program
   4955 Energy Way, Reno, NV 89502
   Susan Howe, Program Director: 775-336-0248
   Nadia Noel, Radon Education Coordinator: 775-336-0252



Nevada Radon Education



@NV Radon Program



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Radon presents a serious health risk, but it can be controlled easily and cost effectively.

Take action today. Encourage your friends and family members to do the same!



# NEVADA RADON REPORT

### Nevada Radon Education Program

A FEDERALLY FUNDED PROGRAM THROUGH THE NEVADA DIVISION OF PUBLIC and BEHAVIORAL HEALTH AND THE U.S. ENVIRONMENTAL PROTECTION AGENCY

January through March 2019

A partnership of Nevada counties;

University of Nevada, Reno; and the U.S. Department of Agriculture.

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**Calendars for events** Program test results

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Volume 12 - Number 3 - FY 2019

# **Girl Scout partners with NREP to** educate her peers about radon

■ leanor Davis, a Junior Girl Scout of the Sierra Nevada Council, earned a Bronze Award pin for organizing an event to educate Girl Scouts and their families about radon during National Radon Action Month. Eleanor partnered with the Nevada Radon Education Program (NREP) to hold the "Keep Your Home & Family Safe from Radon" event on Jan. 19, at the Sierra Nevada Council.

The Bronze Award, the highest award a Junior Girl Scout can achieve, requires girls to be leaders and make a difference in the world around them. In order to earn the award, girls must take action on a community problem in a way that can make

» continued, See GIRL SCOUTS Page 2



The Girls Scouts of Sierra Nevada learned about radon through Eleanor Davis' **Bronze Award Project.** 

# Nevada's top poster winner is second in the nation!

**CVIC Hall** 

in Minden.

NREP

prizes

included

gift bag, a

check for

\$75 and a

certificate.

Ana also

received,

by mail, a

check for

\$300 for

place

national

the second

a radon

na Marquez, a Carson Valley Middle School eighth grade student, won first place in the 2019 Nevada Radon Poster Contest with her poster, "Radon: Test Your Home Now." She also placed second in the National Radon Poster Contest!

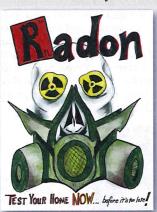
15

17

18

19

Nadia Noel, education coordinator, presented Marquez with Nevada Radon Education Program (NREP) contest prizes at an award ceremony on Jan. 17 at the



Ana Marquez's 1st place poster, "Radon: Test Your Home Now."

award from the American Lung Association and Conference of **Radiation Control Program Directors** (CRCPD). Lin Falkner, Marquez's teacher, was provided a \$50 check from NREP for classroom supplies.

The Nevada Radon Poster Contest is sponsored by

NREP, University of Nevada Cooperative Extension, Nevada Division of Public and Behavior Health and the U.S. Environmental Protection Agency (EPA).

NREP conducts the contest each year to educate students and their families about the health risk of the carcinogen and to inspire Nevadans to test their homes for the radioactive gas. Children ages 9-14 are

» continued, See POSTER CONTEST, Page 2

coordinator, presented a \$75 check to Ana Marquez, the 1st

place Nevada Poster Contest

# **NREP offers education** class to Realtors

The Nevada Radon Education Program applied to the Nevada Real Estate Division and received approval to teach a one-hour continuing education course, "Radon: What Real Estate Professionals Need to Know," to Realtors in Nevada. Approval was granted on Jan. 28, and since then, NREP employees have taught two classes this quarter.

The first was on Feb. 12 at Keller Williams Group One Realty, in Elko, where Education Coordinator Noel taught the course to 20 real estate professionals, all of whom appreciated the free CE credit. Many of the audience members mentioned that this was the first they

» continued, See REALTORS, Page 17



Noel taught the continuing education class at Keller Williams Group One Realty in Elko on Feb. 12.

#### **Girl Scouts**

Continued from Page 1

a lasting impact.

"I picked this project because I heard that the Cooperative Extension's Radon Education Program has a poster contest every year about the dangers of Girl radon, and I didn't know attended the event what radon was," Eleanor.



Scouts said received the Radon Aware patch.

"I started researching it and learned that radon is a silent killer! It is a gas that naturally enters homes from the ground and is the second leading cause of lung cancer. I then learned that my grandma's house had high



**Eleanor Davis** 

levels of radon and that is why she had a radon system in her house. I wanted to help spread the word about this to help families stay safe."

"I think this was successful, because heard one of



Eleanor taught Girl Scouts how and where to place the test kit correctly in the home.

the Girl Scout families that tested their home actually DID have high levels of radon and were looking into how to make the levels lower so they could be safer!"

In preparation for the event, Eleanor and her mother, Amber Joiner, met with Susan Howe, program director, and Nadia Noel, education coordinator, in December and January. During those meetings, they received education about radon and they took a radon test kit to do in their own home. From her experience, it was decided that Eleanor would do the testing portion of the lecture. Eleanor also created a flyer to hand out at the Cookie Kickoff event, and made a press release that they sent to TV and local newspaper media.

Eleanor and Noel presented the slide presentation to 22 parents, Girl Scouts and siblings who attended the event. Eleanor presented the section on how the test is done, relaying her own testing experience in her home. Following the presentation, the group played Radon Bingo, with many winning prizes for filling the "Radon/Bingo" card rows. Following the program, 11 Girl Scout families requested test radon kits.

"The project helped the community, because I helped educate about the dangers of radon and handed out test kits," said Eleanor. "Hopefully the people who attended learned about radon and tested their houses. Also, I hope they talk to other people about what they

learned." All of the Girl Scouts who attended the meeting received a "Radon Aware" patch.



Girl Scouts and family members played the educational Radon Bingo game.

#### **Poster Contest**

Continued from Page 1

eligible to take part in the competition. This is the 10th year that NREP has offered the contest and 123 students from 10 different schools entered posters this year.

The national contest is held each year to increase awareness about the radioactive gas. Nevada was one of 11 state radon programs that submitted their first place poster to the national contest. Members of the radon industry, state radon programs and EPA leaders chose their top three through online voting on Radonleaders.org. Votes were combined with the judging committee's choices, resulting in a first place winner from Florida and a third place winner from Utah.

Nevada's second place winner, Jacob Lewis, an eighth-grader at Carson Valley Middle School, designed a poster titled "The Silent Killer." Lewis was also recognized for his accomplishment at the award ceremony, where he was also presented with a gift bag, a check for \$60 and a certificate. Falkner, who is also Jacob's teacher, won an additional \$35 for classroom supplies.

Sarah Farnham, an eighth-grader at Carson Valley Middle School, won third place in the Nevada contest. Farnham created a poster



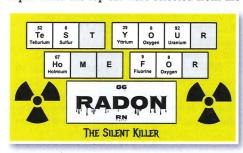
placed lacob Lewis second in the contest and won a \$60 check. along with a certificate and gift bag.



Carson Valley Middle School students took top honors, placing 1st, 2nd and 3rd in the Nevada Poster Contest.

titled "Radon - Not Welcome" and won \$45, in addition to a certificate and gift bag. She also won \$20 for Falkner, who stated that she will be using the \$105 she earned for her students' hard work on supplies for their entire class.

The Nevada poster contest entries were judged for content accuracy, reproducibility, originality and visual communication of the topic. After the top six were selected from the



Jacob Lewis' 2nd place poster, "The Silent Killer."



Sarah Farnham's 3rd place poster, "Radon Welcome."

123 entries, voting took place over the course of 11 days by email, in-person at NREP exhibits and on Facebook. At least 188 votes were cast in person or by email from Nevada's radon professionals, program partners, College of Agriculture, Biotechnology and Natural Resources (CABNR), Cooperative Extension staff, and at Renown's Employee Benefits Fair. There were 94 "Likes" from 81 Facebook voters tallied from members of the general public on NREP's Facebook page.



Sarah Farnham won 3rd place poster contest honors and was presented with a check for \$45, a certificate and a gift

# 2019 National Radon Action Month activities & events

(EPA) promotes January as National Radon Action Month (NRAM) throughout the U.S., as winter is the best time to test for the radioactive gas in a home or building. State radon programs are encouraged to multiply the number of events they offer to educate residents about the danger of the radioactive gas during the month.

In honor of NRAM, the Nevada Radon Education Program (NREP) offers free shortterm test devices at University of Nevada Cooperative Extension and partner offices, lectures, tabling events and other local collaborations during the first two months of the year. More than 1,285 individuals were reached directly through face-to-face contact at 2019 NRAM events. The number of short- and long-term test kits distributed during January and February was 2,938. From NREP's efforts this NRAM, at least 1,041 homes were newly tested for the gas by the end of the quarter.

The success of this year's NRAM campaign is due to preparation and partnership with new and faithful partners, as well as publicizing through radio, television, social media, newsprint and newsletters.

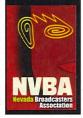
Planning for NRAM begins in July, when library speaking engagements are scheduled in Washoe and Clark counties, and new plans for outreach are established. November and December are devoted to requesting proclamations from governing entities and devising advertising approaches.

A summary of Nevada's 2019 NRAM activities follows:

#### **Advertising**

#### TV and Radio advertising campaign

The Nevada Broadcasters Association (NVBA) supports NREP's public information outreach by producing and distributing the program's and radio television advertisements to stations throughout the state. The 30-second English and



Spanish language radio and television ads are broadcasted by NVBA from Jan. 1 to Feb. 28.

The 2019 media campaign resulted in 352 television and 1,645 radio spots across the state. The total value of the ads was \$203,375.

"The Nevada Broadcasters Association has been a vital contributor to our outreach campaigns for the last seven years," said Susan Howe, NREP program director.

"Using the TV and radio ads to send people to our website for information on how to get a test kit worked wonderfully and we appreciate NVBA's help in getting our message out to the urban and rural areas of Nevada."

#### **Digital Billboards**

The Nevada Radon Education Program asks businesses and public organizations to assist

he Environmental Protection Agency with publicizing free test kits during NRAM on their digital boards.

The University of Nevada-(UNR) Reno showed a radon message on North Virginia Street in January and February. Nevada Department Transportation (NDOT) estimates that 7,600 vehicles pass the sign every



UNR's digital billboard on North Virginia Street displays radon message.

day. UNR also displays the message on televisions throughout the UNR Joe Crowley Student Union during Nevada's NRAM season.

The City of Fernley distributed free short-term test devices and displayed the radon message on their reader board for the fourth year in a row. An estimated City of Fernley reader 10,500 drivers pass board the board located on 595 Silver Lace Blvd. each day.



The Battle Mountain Civic Center, 625 S. Broad St., in Battle Mountain, advertised free radon test kits on their outdoor board. An estimated 3,300 vehicles pass area each day.



the Battle Mountain Civic Center digital billboard

#### 40-foot street banner

NREP uses a 40-foot street banner to display the radon message on two sections of highway that pass through heavily trafficked areas in Carson City and the Town of Gardnerville. The banner catches the attention of individuals who drive by it daily, reminding them to get a free test kit.

This is the ninth year NREP has hung the banner in Gardnerville, and the eighth year in Carson City.

The street banner was displayed from Jan. 7-21 on Carson Street, north of Proctor Street



The radon street banner was displayed in Carson City Jan.



The radon street banner was displayed in Gardnerville Feb. 4 to Feb. 18, on US 395 South.

where an estimated 17,700 vehicles travel past it every day. Then the banner was hung from Feb. 4-18 on U.S. Highway 395 south of Eddy Street, in Gardnerville, where a projected 19,500 cars drive through every day.

#### 3'x 8' banners



The radon banner was displayed Cooperative many Extension offices during NRAM.

Most Nevada Cooperative Extension offices use the 3-by 8foot vinyl "Test Your Home for Radon" banner to announce the availability free test kits at their location.

#### Media outreach

Local media is utilized to highlight NREP's mission to educate Nevadans about radon's health risk and it's the best time to test. The majority of people who request free kits state that they heard the ad on the radio, saw the ad on television or read about radon in a newspaper. The program submits news releases in January and February to publicize the free kit period, encourage residents to test their homes for the radioactive gas and attend educational presentations.

#### **Television Interviews**

The television interviews that NREP staff take part in focus on why Nevadans should test for radon and where they can learn more information about the radioactive gas. Whenever a television interview happens, the number of phone calls the radon program receives increases.

#### KTVN Channel 2 TV Interview (1/12/19)

Paul Jilbert, KTVN Channel 2 News photographer, interviewed Nadia Noel on Jan.



Noel was interviewed by Paul Jilbert, KTVN Ch. 2 CBS affiliate photographer, on Jan. 12, at the Sierra View Library.

» continued, See NRAM, Page 10

# **Nevada receives record 45 Radon Action Month proclamations**

The Nevada Radon Education Program (NREP) received 45 proclamations or resolutions in honor of National Radon Action Month (NRAM) this year, the largest number the organization has obtained since the program began. The declarations came from 15 county commissioner boards (Churchill, Clark, Douglas, Elko, Eureka, Humboldt, Lander, Lincoln, Lyon, Mineral, Nye, Pershing, Storey, Washoe and White Pine), 15 cities (Boulder City, Carlin, Elko, Ely, Fallon, Fernley, Henderson, Las Vegas, Lovelock, Mesquite, North Las Vegas, Reno, Sparks, Wells, West Wendover and Winnemucca), five towns (Amargosa Valley, Gardnerville, Genoa, Minden and Tonopah), four general improvement districts (Gardnerville Ranchos, Gerlach, Incline Village and Sun Valley),

one Nevada Legislator (Assemblywoman Sarah Peters), two associations (Nevada Nurses Association and Nevada Association of Counties) and three Boards (Washoe County Health District, Carson City Board of Supervisors, and Southern Nevada Health District).

There were eight new proclamations/ resolutions received this year: the cities of Elko, Fallon and Winnemucca, Gerlach GID, Southern Nevada Health District, Nevada Nurses Association, Town of Tonopah and Assemblywoman Peters.

This was the 11th year that NREP obtained annual proclamations from Carson City, Churchill and Douglas counties, Reno and Sun Valley General Improvement District!

Whenever possible, NREP staff or county partners accept proclamations at board or commissioners meetings to share pertinent information explaining why a declaration is necessary for their county or location.

Susan Howe and Nadia Noel received the Washoe County Health District proclamation on Dec. 13.

Howe and Noel received the Sun Valley General Improvement District declaration on Dec. 13.

Pamela Munk, Pershing County Safety Coordinator, received the Pershing County Commissioner's proclamation on Dec. 19.

Noel attended the Fernley City Council meeting to share information about radon

» continued, See Proclamations, Page 18 Nevada Association of Countie Resolution 19-01 ONAL RADON ACTION MONTH Franklin Bene SECTION SECTIO City of Fernley City of Henderson **Boulder City** City of Carlin City of Elko **Mayor Roy** City of Ely Mayor Debra March Mayor Rodney **Mayor Dana** State of Nevada Mayor Reece Edgington Jr. Mayor Melody VanCamp Nevada Association of Woodbury Holbrook Sarah Peters Keener Counties (NACo) JANUARY 2019

"NATIONAL RADON ACTION MONTH!" Sparks Ottice of Chr Ma roclamatic Proclamati January 20 National Radon Month NATIONAL RADON Inter Iller State City of North Mayor Daniel Corona City of Las Vegas City of Dog Booth Winnemucca City of Mesquite Mayor John Lee Sparks City of West City of Las Vegas **Mayor Richard** Mayor Allan City of Reno **Mayor Ron** Wendover City of Lovelock **Mayor Carolyn** Stone Litman Mayor Hillary Schieve Smith **Mayor Daniel Corona** Mayor Michael Giles Goodman Minden Gardnerville PROCLAMATION County of Bengins Or Gill Aleth Kish Town of **Eureka County Elko County Churchill County Douglas County** Gardnerville **Board of Commissioners** Board of Town of Genoa Town of Carson City Board of

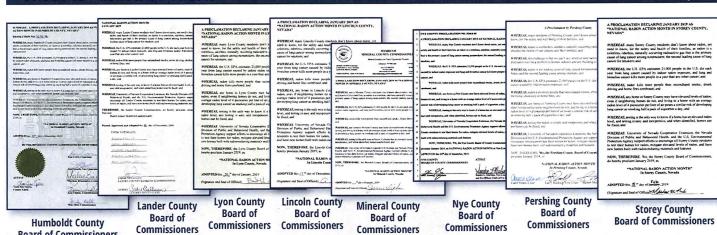
**Board of Supervisors Commissioners** 

Minden

Tonopah

**Board of Commissioners** 

Commissioners





Washoe County Board of Commissioners

White Pine County Board of Commissioners Gerlach GID

Incline Village GID

Gardnerville Ranchos GID Sun Valley GID Southern Nevada Health District

Washoe County Health District Nevada Nurses Association



Susan Howe and Nadia Noel accepted the National Radon Action Month proclamation from the Washoe County Health District Board on Dec. 13.



Noel accepted the NRAM proclamation offered by the Washoe County Commissioners on Jan. 15.



Noel accepted the Carson City Board of Supervisors proclamation for National Radon Action Month on Jan. 3.



Noel accepted the Town of Gardnerville proclamation on Jan. 8.



Noel accepted the City of Fernly proclamation on Dec. 19.



City of Henderson Mayor Debra March proclaimed January as National Radon Action Month on Jan. 1. Noel accepted the proclamation on Feb. 5.



Southern Nevada Health District proclaimed January as National Radon Action Month. Noel accepted the proclamation on Jan. 24.



The Town of Genoa provided a NRAM proclamation on Jan. 10 with Noel accepting.



Howe and Noel accepted the City of Sparks' proclamation from Mayor Ron Smith on Jan. 14.

# Radon message given at 54 NRAM opportunities

The Nevada Radon Education Program educated Nevadans on the health risk of radon, how to test for the gas and the process of reducing elevated levels throughout the state. There were at least 54 speaking engagements during the 2019 National Radon Action Month (NRAM) season to share the message with a variety of clubs, government officials, realtors and the general public.

NREP reached over 1,148 people from Jan. 1 to Feb. 28. More than 700 test devices were given out at these events and 194 or 28 percent were utilized by Mar. 31.

Susan Howe and Nadia Noel offered the majority of presentations that were held in Northern Nevada, with the assistance of Norm Denny, certified radon mitigator. Bob Knauff, radon measurement professional, assisted Noel with providing lectures in Southern Nevada. A summary of the presentations, attendees and test kit usage from the 2019 NRAM events follows:



Mayor Robert Crowell read the proclamation and Nadia Noel spoke a few words about radon and accepted the proclamation from the Carson City Board of Supervisors on Jan. 3.

#### Carson City Board of Commissioners - Jan. 3

Carson City Board of Supervisors and Mayor Bob Crowell issued a proclamation declaring January as NRAM and about 30 city residents witnessed it. Noel shared a few talking points.



Nadia Noel addresses the Cattlemen's Update meeting attendees at the Washoe County Cooperative Extension office on Jan. 7.

#### Cattlemen's Update - Jan. 7

Nadia Noel addressed about 28 Cattlemen's Update attendees at the Washoe County Cooperative Extension Office. She briefly let them know what radon was, the health risk, and that free radon test kits were available until the end of February.

#### Douglas County Board of Commissioners - Jan. 7

Douglas County Commissioners made a declaration announcing January as National Radon Action Month and 31 county residents and officials observed it. Howe and Noel shared a brief message.

#### Town of Gardnerville Board Meeting - Jan. 8

Gardnerville Town Board members bestowed a declaration stating January as NRAM and 13 town residents witnessed it. the radioactive gas and how to reduce the Noel provided a short message. the radioactive gas and how to reduce the chances of developing lung cancer caused by

#### Town of Minden Board Meeting - Jan. 9

Minden Town Board members issued a proclamation stating January 2019 is National Radon Action Month and 18 town residents observed it. Noel spoke about the carcinogen for a few minutes.



Howe, Denny and Noel provided the program at the Genoa Town Hall on Jan. 9.

#### Genoa Town Hall Program - Jan. 9

Howe, Noel and Norm Denny spoke to 23 Genoa residents about the radioactive gas. Of the 18 devices given out, 15 were used by the end of the quarter.

#### Town of Genoa Advisory Board Meeting - Jan. 10

The Genoa Town Advisory Board members gave a proclamation declaring January as NRAM and at least 27 residents were present. Noel provided a short message.



Howe, Noel and Denny presented educational information at the Smart Strategies Workshop for Homeownership, Repairs & Radon in Carson City on Jan. 12.

#### Smart Strategies Workshop, Carson City – Jan. 12

NREP collaborated with USDA Rural Development and Nevada Rural Housing Authority's Home At Last Program to produce the "Smart Strategies Workshop for Homeownership, Repairs & Radon."

Fourteen attended the free three-hour event, earning homebuyer education certificates and free test kits. Topics included the process of buying a home, down payment assistance, funding for home repairs and weatherization and ways to protect homeowners from lung cancer caused by radon.

Three lucky participants won prize baskets provided by the three partnering entities. In all, seven of the eight radon test kits distributed at the event have been used this quarter.

#### Sierra View Library, Reno – Jan. 12

Noel and Howe taught 11 attendees at Sierra View Library about the health risk of



Noel, Howe and Denny presented an educational radon program at Sierra View Library on Jan. 12.

the radioactive gas and how to reduce the chances of developing lung cancer caused by the carcinogen. Eleven test kits were taken and seven were used since the presentation.



Noel addressed the City of Sparks Council about radon at their Jan. 14 council meeting.

#### City of Sparks City Council Meeting - Jan. 14

Noel addressed a room of 25 Sparks City Council meeting attendees and government officials about radon statistics in their city. After the speech, the city council proclaimed January as National Radon Action Month. Five test kits were provided to the audience.



Noel provided talking points about radon to the Washoe County Commissioners and accepted the proclamation on lan. 15.

#### Washoe County Board of Commissioners, Reno –

Washoe County Commissioners presented a declaration pronouncing January as NRAM and 30 county residents were in attendance. Noel provided a short message.

#### Spanish Springs Library, Reno - Jan. 15

Although the presentation was canceled due to weather conditions after Howe and Noel arrived at the Spanish Springs Library, they spoke to four residents who came to pick up seven test kits.



Noel, Howe and Denny spoke to the 20 attendees at the CVIC Hall on Jan. 17.

#### CVIC Hall, Minden - Jan. 17

Denny, Howe and Noel presented to 20 Nevada residents at the CVIC program. Six test kits were given out and three of the kits have been used thus far. The poster contest awards ceremony followed the radon program. (See poster contest article on Page 1.)

» continued, See PRESENTATIONS, Page 7

#### Presentations

Continued from Page 6

Girls Scout of Sierra Nevada Program, Reno - Jan. 19

Howe and Noel partnered with Eleanor Davis, a Junior Girl Scout, to offer a radon presentation to 30 parents, Sierra Nevada girl scouts, siblings and family members at the "Keep Your Home & Family Safe from Radon" event. Eleven test kits were distributed and three have been used to date. (See the Girl Scouts of Sierra Nevada article on Page 1 for more details.)



Natalia Deardorff, California Indoor Radon Program, presented a portion of the TRPA program where nine Nevada and California residents attended on Jan. 22.

A joint program with the California Radon Program, Stateline - Jan. 22

Nine people attended the program provided by Natalia Deardorff, California Indoor Radon Program director, Howe, and Noel. Denny was also a guest speaker for the event. One of the six Nevada test devices given out have been used during this quarter.



Howe and Denny presented the health risk message to nine attendees at the Northwest Reno Library on Feb. 2.

Northwest Reno Library - Feb. 2

Nine Washoe County residents heard from Howe and Denny at the Northwest Reno Library. The program was about radon and reducing one's risk of lung cancer caused by the gas. The attendees took home 13 test devices and four of them were used by the quarter's end.



Howe and Noel presented the health risk message to six people attending the North Valleys Library program.

North Valleys Library, Reno - Feb. 6

Denny, Howe and Noel spoke to six residents at the North Valleys Library presentation. About five test devices were taken by the attendees and four have been utilized.

Sparks Library - Feb. 7

Howe and Noel spoke to seven residents about radon at Sparks Library and how to test for the gas. Mitigator Denny presented information on how radon problems are fixed. Two of the eight short-term test kits distributed



Howe, Noel and Denny presented a radon education program at the Sparks Library.

at the program were used this quarter.



Howe, Noel and Denny presented a radon program to 13 attendees at the South Valleys Library program on Feb. 9.

South Valleys Library, Reno - Feb. 9

Thirteen library patrons attended a radon lecture offered by Howe, Denny and Noel and received 17 test devices. So far, nine of those test have been utilized.



Howe, Noel and Denny presented to 41 residents of Sierra Canvon on Feb. 15.

Sierra Canyon HOA, Reno - Feb. 15

Denny, Howe and Noel presented to 41 Sierra Canyon residents on Feb. 15. At least 47 devices were given out during this event and by the end of the quarter, 12 of them were used.



Howe, Noel and Denny spoke to 29 members of the Washoe Valley forum on Feb. 19.

Washoe Valley Forum, Reno - Feb. 19

Washoe Valley residents learned about radon from Howe, Noel and Denny at their monthly forum meeting, where 29 members attended. At least 18 test devices were provided to the audience and seven have been used to date.



Noel spoke to 16 members of the Desert Gardening Club

Desert Gardening Club, Carson City - Feb. 21

At the request of the Desert Gardening Club, Noel spoke to 16 Carson City residents about the radioactive gas. Fifteen test kits were taken by the group and seven have been deployed this quarter.



Howe and Noel educated 22 OLLI members about radon on Feb. 22

Osher Lifelong Learning Institute, Reno – Feb. 22

Howe, Denny and Noel educated 22 Osher Lifelong Learning Institute (OLLI) members on radon's health risk, how to test for the gas and the process of reducing an elevated level of it. The audience received 24 test devices, five of which have been used during this quarter.

#### Southern Nevada Tour – Jan. 24 to Feb. 6



6. Education Coordinator Nadia Noel gave 22 presentations to the general public, civic groups, a realty office, health program members and governing entities. At many of Knauff, certified the presentations, Bob

24

From Jan.

Bob measurement Knauff, a Las Vegas radon professional in Vegas, assisted Noel for many of the programs.

Radon Las area certified measurement specialist, helped to educate

attendees about radon testing for real estate transactions.

Southern Nevada Health District Board Meeting, Las Vegas - Jan. 24

Noel attended the Southern Nevada Health District Board meeting to receive a proclamation for National Radon Action Month. While at the meeting she was given the opportunity to share some talking points that relate to the issue of the carcinogen in Southern Nevada. This was the first year that NREP received a proclamation from the Board. At the meeting, Noel gave out 23 test



Noel spoke to the Southern Nevada Health District's lanuary Board Meeting about radon and was presented wtih a NRAM proclamation.

» continued, See PRESENTATIONS, Page 14

# Short-term test kit data by point of distribution

The data in the charts below display the number of short-term test devices disseminated at a variety of events and locations through face-to-face, or by indirect methods from phone calls, emails, Eventbrite or mailed coupons during the January through March quarter and the number of kits utilized by Mar. 31. The percentage columns represent the percent of devices that were deployed at the named distribution point.

Overall, 3,105 short-term test kits were dispersed and 43.6 percent were used by the quarter's end.

#### Special Projects, Partners and Cooperative Extension

At least 2,134 short-term test kits were distributed through partners, Cooperative Extension offices and special projects. The devices that were picked up by individuals at Cooperative Extension and partner offices made up 69 percent of the total number of kits given out in the quarter. Of those test devices, about 1,041 or 48.8 percent were used.

Four new partners distributed 124 test kits: City of Henderson, Storey County Senior Center, Lockwood Senior Center and the Town of Tonopah. At least 47 or 38 percent of the kits were used. A science project with 32 test kits was accomplished through the Physics and Chemistry classes at Pershing County High School.

Established partners, Incline Village Recreation Center, Sun Valley General Improvement District, Town of Genoa, Gardnerville Ranchos General Improvement District, Tahoe Regional Planning Agency,

Short-term test kits distributed from Special Projects, Partners and Cooperative Extension offices from Jan - Mar 2019 % Distribution point distributed tested tested Carson City/Storey County Cooperative Extension 247 118 47.8% - Lockwood Senior Center 11 18.2% - Storey County Senior Center 15 6 40.0% 44 25 Churchill County Cooperative Extension 56.8% 94 Clark County Cooperative Extension 48 51.1% - City of Henderson 73 34 46.6% - Laughlin Office 1 100% - NE Clark County Cooperative Extension 56 28 50.0% **Douglas County Cooperative Extension** 265 109 41.1% 60 28 - Gardnerville Ranchos GID 46.7% Town of Genoa 47 25 53.2% - Tahoe Regional Planning Agency 29 20 69.0% 38 Elko County Cooperative Extension 89 42.7% - City of West Wendover 34 11 32.4% **Humboldt County Cooperative Extension** 55 30 54.5% **Lander County Cooperative Extension** 1 25.0% 4 **Lincoln County Cooperative Extension** 3 1 33.3% **Lyon County Cooperative Extension** 15 8 53.3% Fernley City Hall 75 35 46.7% **Central Lyon County Fire District** 23 13 56.5% Mineral County Cooperative Extension 8 50.0% Nye County - Town of Tonopah 25 5 20.0% **Pershing County Cooperative Extension** 24 15 62.5% - Pershing High School class project 32 32 100% **Washoe County Cooperative Extension** 591 322 54% - Incline Village Recreation Center 115 42 36.5% - Sun Valley GID 75 27 36.0% White Pine County Cooperative Extension 3 3 100% Mitigator Norm Denny kit distribution 21 10 47.6%

Short-term test kits distributed by Mail with Co orders from Jan - Mar 20	Contract to the contract of th	ail or O	nline
Distribution point	No. kits distributed	No. tested	% tested
Mail requests - by Eventbrite order	206	87	42.2%
Mail requests - by Library coupon	7	2	28.6%
Mail requests - by Online Request form	23	14	60.9%
Mail requests - Miscellaneous	35	15	42.9%
TOTALS	271	118	43.5%

TOTALS

2134

1041

48.8%

The data in the charts below display the number of short-term test devices disseminated at a variety of events and locations through face-to-face, or by indirect methods from phone calls, emails, 458 kits.

The Washoe County Cooperative Extension office led distribution numbers with 591 short-term kits given out this quarter. Douglas and Carson City County Cooperative Extension offices followed, with 265 and 247 devices distributed respectively.

#### Statewide program presentations and events

NREP gave 700 free test kits during 40 programs, seven proclamation events and three other events and at least 194 or 28 percent were used.

#### Mail order requests

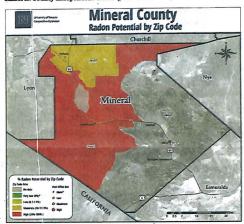
NREP received 271 mail order requests for test kits by mail: 206 were through Eventbrite; 23 used the online kit request form; 35 by miscellaneous coupons, and seven from library coupons. The usage rate is 49 percent, with 151 of the devices were used by Mar. 31.

Short-term test kits distributed at Programs and Events from Jan - Mar 2019										
Date	Program/Event	No. kits distributed	No. tested	% tested						
1/7/19	Douglas proclamation	2	2	100%						
1/9/19	Minden proclamation	2	0	0%						
1/9/19	Genoa Program	18	15	83.3%						
1/10/19	Genoa proclamation	1	0	0%						
1/10/19	Early Detection Meeting	2	0	0%						
1/12/19	Smart Strategies Workshop	8	7	87.5%						
1/12/19	Sierra View Library Program	11	7	63.6%						
1/14/19	Sparks proclamation	5	0	0%						
1/15/19	Washoe County proclamation	1	0	0%						
1/15/19	Spanish Springs Program	7	0	0%						
1/17/19	CVIC Program	6	3	50.0%						
1/19/19	Girl Scout Program	11	3	27.3%						
1/22/19	TRPA Program	6	1	16.7%						
1/24/19	Southern NV Health District proclamation	23	5	21.7%						
1/24/19	Sahara West Library Program	13	7	53.8%						
1/25/19	Kiwanis Club of the Las Vegas Strip Program	14	2	14.3%						
1/26/19	Laughlin Library Program	16	6	37.5%						
1/27/19	Rainbow Library Program	17	9	52.9%						
1/28/19	Las Vegas SW Rotary Club Program	19	2	10.5%						
1/28/19	Windmill Library Program	3	2	66.7%						
1/29/19	Mountain View Hospital-Health 2 You Program	28	11	39.3%						
1/29/19	Paseo Verde Library Program	13	6	46.2%						
1/30/19	Moapa Valley Rotary Club Program	8	2	25.0%						
1/30/19	Southern Hills Hospital-Health 2 You Program	12	4	33.3%						
1/30/19	Clark County Library Program	22	5	22.7%						
1/31/19	Realty One Group Southwest Program	23	3	13.0%						
1/31/19	Desert Newcomers Program	38	6	15.8%						
1/31/19	Summerlin Library Program	17	6	35.3%						
2/1/19	Mesquite Library Program	9	1	11.1%						
2/2/19	Green Valley Kiwanis Club Program	14	2	14.3%						
2/2/19	NW Reno Library Program	13	4	30.8%						
2/4/19	Boulder City Senior Center Program	6	3	50.0%						
2/4/19	Aliante Library Program	8	4	50.0%						
2/5/19	Rotary Club of Las Vegas, Summerlin Program	12	4	33.3%						
2/6/19	Boulder City Lions Club Program	5	1	20.0%						
2/6/19	North Valleys Library Program	5	4	80.0%						
2/7/19	Sparks Library Program	8	2	25.0%						
2/9/19	South Valleys Library Program	17	9	52.9%						
2/12/19	Keller Williams Realty Program-Elko	11	1	9.1%						
2/12/19	Elko Lions Club Program	12	0	0%						
2/12/19	Elko City Council proclamation	4	1	25.0%						
2/12/19		12	2							
2/12/19	Elko County Library Program	2		16.7%						
	Carlin Library		0	0%						
2/15/19	Sierra Canyon Program	47	12	25.5%						
2/19/19	Washoe Valley Forum Program	18	7	38.9%						
2/21/19	Desert Gardening Program	15	7	46.7%						
2/22/19	OLLI Program	24	5	20.8%						
3/5/19	Legislature Day	80	9	11.3%						
3/19/19	Greenbrae Lions Club Program	19	2	10.5%						
3/25/19	Berkshire Hathaway Home Services Program	13	0	0%						
Hawar.	TOTALS	700	194	27.7%						

# Radon in the news...

Mineral County Independent News

-News || The Week of Jan. 31, 2019



cent of homes tested in Mine the EPA action level. rel County found rado

#### Free radon test kits available

January is National Radon Action Month, and University of Nevada Co-operative Extension's Radon Education

perative Extension's Radon Education Program is offering free short-term radon test kits to Newadans from Jan. 1 through Feb. 98. Locally, malon test kits are available at Mineral County Cooperative Extension, 205 South A St., in Hawthorne. Radon is a naturally occurring radioactive gas that is colorless, odorless and tasteless. It comes from the ground and can accumulate in homes, raising the risk of lung cancer. The U.S. Environmental Protection Agency estimates 21,000 Americans die each year from radon-caused lung cancer, killing more people than secondhand smoke, drunk driving and house fires.

In Nevado, one in four homes tested

In Nevada, one in four homes tested

com, or by submitting a radon test kit request online at http://bit.ly/NRAM-19cpn, then mailing the confirmation email to the Radon Education Program's administration office, 4955 Energy Way, Reno, NV 89502. Ordered test kits will require a \$4 check or money order for shipping, written to Board of Regents. For more information, call the Radon

For more information, call the Radon Hoffine at 1-888-RADONIO (1-888-732-6610) or visit the Nevada Radon Education Program website at www.RadonNV. com. Cooperative Extension, the EPA and the Nevada Division of Public and Behavioral Health urge all Nevadans to test their homes for radon.

Jan. 21, 2019 - The Record-Courier



#### Middle school girl's radon poster goes to nationals

Feb. 16, 2019 - Nevada Appeal

Lin Falker, who has had a very successful run of winners in the statewide contest. Marquez poster will be entered in the National Radon Poster Contest. This is the second radon education session the University of

Of the 4,304 Douglas homes tested as of the end of 2018, 2,543 or nearly 41 percent tested above the limit for radon. January is National Radon Ac-tion Month. "We received proclamations

our message to educate Neva-dans about the radon health risk, encouraging residents to test, fix if results show elevated levels, and build new homes with radon-resis-The University of Nevada

#### February - Mailbox News

Those in the Fallon area can get a kit until Feb. 28 at: Churchill County Cooperative Extension (M-F, 8 am to 5 pm) 111 Sheckler Rd., Fallon, 89406-8951 Phone: 775-423-5121

ose in the Femley area can get a kit until Feb. 28 at: Femley City Hall (M-F, 8 am to 5 pm) 595 Silver Lace Bivd., Femley, 89408 Phone: 775-784-9930

In Humboldt County, they can get a kit at: Humboldt County Cooperative Extension 1085 Fairgrounds Rd., Winnemucca, 89445 Call ahead for office hours: 775-623-6304

The main administration office is at Washoe County Cooperative Extension (M-F, 8 am to 5 pm)
4955 Energy Way, Reno, 89502
Phone: 1-888-RADON10 (888-723-6610)

#### Jan. 11, 2019 - Tahoe Daily Tribune

### Radon presentation scheduled at Lake Tahoe

Staff Report

January is National Radon Action Month, and University of Nevada Cooperative Extension's Radon Education Program is offering free short-term radon test kits to Nevadans from Jan. 1 through Feb. 28.

Radon test kits are available at Cooperative Extension offices and partnering locations, as well as at presentations, statewide.

Additionally, a radon presentation is scheduled for 6 p.m., Tuesday, Jan. 22 at the Tahoe Regional Planning Agency (TRPA) office in Stateline, 128 Market St.

Radon is a naturally occurring, radioactive gas that is colorless, odorless and tasteless. It comes from the ground and can accumulate in homes, raising the risk of lung cancer. The U.S. Environmental Protection Agency estimates 21,000 Americans die each year from radon-caused lung cancer, killing more people than secondhand smoke, drunk driving and house fires.

In Nevada, one in four homes tested show radon concentrations at or above the EPA action level. According to experts, living in a home with radon concentrations at the action level poses a risk of developing lung cancer similar to the risk posed by smoking about half a pack of cigarettes a day.

The risk of radon-caused lung cancer can be reduced. A simple three-day test can determine if a house has a radon problem, and winter is an ideal time to test a home for radon. If radon problems are found, they can be fixed.

Feb. 16, 2019 - Nevada Appeal

By Shanna Cummings

It's time once again to test your ome for Radon. Radon—an odorless, flavorless,

colorless gas — is the number one cause of lung cancer in non-smokers, and one of the leading

### Free kits to test for deadly gas available through February

da Appeal staff report

rsity of Nevada Cooperative Extension's Radon Education Program is offering free short-term radon test kits to Nevadans until Feb. 28. Radon test kits are available at Cooperative Exten-

e, Gardnerville; Gard-ille Ranchos GID, 931 Mitch Drive, Gardnerville; Tahoe Regional Planning Agency, 128 Market St., Stateline; Genoa Town Ofvn Of-

Elko County Cooperative

Sixth St., Lovelock; Storey County Senior Center, 100 Mill St., Virginia City. Lockwood Senior/Com-

Radon awareness season returns

causes of lung cancer over all. The US Environmental Protection Agency (EPA) estimates 21,000 people in the US die each year from lung cancer caused by indoor radon exposure. According to the EPA's online guide, radon results from "the natural (radioactive) breakdown of

munity Center, 800 Peri Ranch Road, Lockwood Tonopah Town Office, 140 S. Main St., Tonopah; Washoe Reno 89502. Write the check or money order to Board of

Regents.
For more information, call the Radon Hotline at 1-888-RADON10 (1-888-723-6610) or visit the Nevada Radon Education Extension, the EPA and the Nevada Division of Public and Behavioral Health urge all Nevadans to test their

homes for radon. The Nevada Radon Edu-

sion of Public and Beha Health through Grant Nu ber K1-96963519-0 from the EPA. Since the program began in 2007, more than 28,000 homes have been

#### Jan. 19, 2019 - Reno Gazette-Journal

# Reducing health risk from radon is simple

Now that you have settled into 2019 and are likely tired of complicated New Year's Resolutions, it is time to take some simple steps to protect your health. One step that is easy and doesn't health. One step that is easy and doesn't require a bullet journal or a gym membership is testing your home for radon, a naturally occurring, radioactive gas. It can't be sensed by the human senses but can increase your risk of lung cancard

cer.
Radon is the primary cause of lung cancer for nonsmokers and the second leading cause for smokers, taking an estimated 21,000 lives a year in the U.S. Over time, living in a home with an elevated level of radon increases the inhabitants' risk of developing lung can-cer. As the gas decays, solid particles are formed, inhaled and deposited in the lungs. The radiation that those particles release can damage the lung cell's DNA

resulting in cancer.

The U.S. Environmental Protection
Agency (EPA) action level for radon, the
concentration where the health risk ne-



Getting a free test kit is easy and can be done at over 25 locations across the state of Nevada until Feb. 28. PHOTO COURTESY OF THE NEVADA RADON EDUCATION

veloping lung cancer as smoking half a verbing ining cancer as smoothing that a pack of cigarettes a day for a year. The EPA estimates that one in 15 homes na-tionwide has an elevated level of radon,

Testing is the first step towards protecting you and your family from the ra-don health risk and the only way to know the concentration of the gas. If

then mitigation is recommended.

If you verify and find that your house has an elevated level of radon, it's best to have the issue resolved by a certified radon professional, who is also a liradon professional, who is also a li-censed Nevada contractor. Hiring such an individual will help to ensure that the mitigation is done according to industry standards, the repair is completed safe-ly, and the concentration of the gas in your home is reduced below 4 pc/I. The cost, averaging between \$2,500 to \$3,800, is minimal compared to the health and monetary cost of lung

cer.

To help residents protect their lung no neip residents protect their lung health, short-term test kits are free to Nevadans from Jan. 1 to Feb. 28 in honor of National Radon Action Month. A list of locations for test kit pick up, ways to order a kit by mail (there is a fee for shipping), and educational presentatio can be found at www.RadonNV.com.

Nadia Noel is the Radon Education Nadia Noel is the Radon Education Coordinator for the University of Neva-da Cooperative Extension's Radon Edu-cation Program, a grant-funded pro-gram supported by the Nevada Division of Public and Behavioral Health. For in-formation, call the Radon Hotline at 1-

#### NRAM

#### Continued from Page 3

12 at the Sierra View Library after the radon presentation offered that day. The interview was on the health risk of the carcinogen, how to test for the radioactive gas, the process of reducing it and radon potentials in Washoe County.



Nadia Noel is interviewed by Samantha Smerechniak, KRNV Ch. 4 NBC Reno affiliate, on Jan. 23, at the Washoe County Cooperative Extension office.

#### KRNV Channel 4 TV Interview (1/23/19)

Samantha Smerechniak, KRNV Channel 4 NBC Reno affiliate, interviewed Noel on Jan. 23 at the Washoe County Cooperative Extension Office. Noel was asked questions such as how radon enters homes, why Nevadans should test for the carcinogen, and how the issue is remedied. The interview can be found at this link: https://mynews4.com/news/local/geta-free-radon-test-kit-during-national-radonaction-month

#### **Partnerships & Collaborations**

NREP works with current partnerships and develops new ones to spread the message about radon's health risk to more Nevada residents and offer locations where people can pick up free test kits. Educational radon talks are offered in January and February every year at public libraries in Washoe and Clark counties.

#### **New collaborations**

#### **Spring Creek Association**

Spring Creek Association (SCA) President Jessie Bahr graciously agreed to work with NREP to promote awareness of radon's health risk and the importance of testing in her



community. She used SCA's Facebook page to post three prepared radon messages, seven times each, for her residents to see during NRAM.

Because of Bahr's effort, many Elko County residents ordered radon test kits online or picked them up from the Elko County Cooperative Extension in January and February. At the Elko Cooperative Extension office, 89 kits were requested versus a smaller number of 25 last year.

In addition to increasing her residents' awareness, Bahr shared NREP maps, real estate brochures, and swag with 45 Elko County Realtors at her annual meeting.

"We very much appreciate SCA President

Bahr's willingness to partner with us," said Noel. "We hope that she can help us educate more Nevadans next NRAM!"

#### Town of Tonopah

A partnership began with the Town of Tonopah after Noel requested a proclamation and town employees requested more information about the gas. The town office became a new distribution site for the free kits

during NRAM with 25 test kits given out.

**Lockwood and Storey County Senior Centers** Working with STOREY COUNTY Storev County Senior Center Director Stacy Gilbert, NREP collaborated with the senior centers in Lockwood and Storey County for the first time to offer radon test kits and informational handouts to area residents. At least 26 test devices were given out at both locations in January and February.

#### Continued partnerships & collaborations

NREP continues to partner with the following organizations who assist during the free kit period and a few who offer a kit distribution point all year long.

#### · Town of Genoa

Town of Genoa again offered free radon test kits on behalf of NREP. Free kits were TOWNOFGENOA advertised in the town's Winter 2018/2019 newsletter. Genoa also twice tweeted and posted about the presentation that took place in the town and the locally available free radon kits to over 467 Twitter and 2,954 Facebook followers. At least 47 test devices were handed out from this office and by the end of March, 25 or 53 percent have been deployed.

**Gardnerville Ranchos General Improvement** District (GRGID)

GRGID continues to provide test kits year-round to its residents. As of the Gardnerville Rancho end of March, at least

60 kits were distributed from their office, with 28 or 47 percent used.

#### City of West Wendover

The City of West Wendover continued their partnership with NREP this National Radon Action Month. Staff from that city posted a flyer in the local newspaper. West Wendover

again shared information about the carcinogen on their Facebook page that 383 people follow. The city also displayed an informational Elko County handout on radon on their website. About 34 test devices were handed out from this city and 11 or 32 percent have been used so far.

#### · Sun Valley General Improvement District (SVGID)

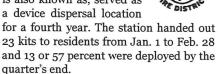
**SVGID** once again distributed devices for NREP. The GID is a central location between the valley and the Spanish Springs area of Sparks. The entity



offered educational materials on the radioactive gas along with the test kits. About 75 devices were given out this NRAM period and 27 or 36 percent were used by the end of March.

#### **Central Lyon County Fire Protection District**

The Central Lyon County Fire Protection District, or the Dayton Fire Station as it is also known as, served as a device dispersal location



#### · City of Fernley

Fernley City Hall has provided its community with test kits for a fifth year, along with advertising that the devices are free on their



reader board and website. At least 75 kits were given out to city residents, and 35 or 47 percent of the kits were utilized to date.

#### **Washoe County Library System**

The Washoe County Library System remains a faithful supporter of LIBRARY SYSTEM radon program's



NRAM activities. The system continues to promote free test devices and presentations through displays, calendar listings, signs and social media. NREP spoke to patrons at the Northwest Reno, South Valleys, Sparks, North Valleys and Spanish Springs libraries this year.

#### **Clark County Library District**

Las Vegas-Clark County Library District maintains its support of NREP through advertising radon presentations and the free



kit period, as well as on library websites. Rainbow, Sahara, Laughlin, Clark County, Mesquite, Windmill and Summerlin libraries all hosted speaking engagements. Around 94 people took part in these

**Boulder City Senior Center, City of North Las** Vegas Library District and Henderson libraries Boulder City Senior Center, Aliante Library and Paseo Verde Library were three other

» continued, See NRAM, Page 12

# Radon on the internet...

KOLO 8 ree radon test kits available for Nevadans

1-4-19 nevadabusiness.com

Smart Strategies Workshop Jan. 12 Provides Training on Homeownership, Home Repair and Radon





Radon Awareness Presentations February 7th: Sparks Library, 6:00 p.m. February 8th: South Valleys Library, 3:00 p.m.

2-19-19 NevadaAppeal.com

150: NEVADA APPEAL Lahontan Free kits to test for deadly gas

available through February

#### 1-9-19 unce.unr.edu



#### 1-14-19 news3lv.com

Free radon testing kits available in Clark County

86

# 2-13-19 mvprogress.com

'ROGRESS

M.V. Homeowners Urged To Test Homes For Radon

#### 1-21-19 recordcourier.com

The Record-Convier..... Middle school girl's radon poster goes to nationals

# genoanevada.org TOWN OF GENOA



January 9<sup>™</sup> • 6:30 PM

# January 2019 cvms.dcsd.k12.nv.us

1-12-19 CarsonNow.com

12-20-18 trpa.org A voice for Lake Tahoe

1-17-19 sparkstribune.com

1-24-19 foxreno.com

Get a free Radon test kit during National Radon

Tribune

Action Month

Sparks City Council Highlights

Carson NOW.org

Smart Strategies Home Workshop Jan. 12

Carson City Weather

nership, Repair and Radon Education

#### 1-3-19 mynews4.com

Homeownership, home repair and radon workshop in Carson City Jan. 12



#### 2-12-19 rgj\_com/mason-valley

# reno gazette journal Free kits to test for deadly gas available through February f y in • w =

#### 1-9-19 recordcourier.com

#### The Record-Courier





#### 1-24-19 southernnevadahealthdistrict.org











#### NRAM

Continued from Page 10

locations that allowed NREP to offer radon lectures. Henderson



libraries promoted the event at Paseo Verde Library on their websites and calendars. A total

of 30 individuals attended talks at those locations.

 Incline Village General Improvement District (IVGID)

IVGID has assisted the NREP since the end of 2008 by advertising



2008 by advertising GINERAL IMPROVISHINT DISTRICT speaking engagements and free short-term kits in their December utility billing. The Incline Village Recreation Center has been a year-round test kit distribution point from December 2011 onward. More than 1,370 devices were provided to state residents by IVGID since that time. At least 115 kits were given out this National Radon Action Month and 37 percent of the kits were used. This is also the fifth year that IVGID provided a NRAM proclamation.

Tahoe Regional Planning Agency (TRPA)

Tahoe Regional Planning Agency acts as a radon test device distribution site for Douglas County



residents in Zephyr Cove and Stateline throughout the year. At least 301 devices have been supplied to Nevadans by this location since the start of this decade, and the usage rate is 69 percent. The number of kits provided this NRAM was 29 and 20 or 69 percent of them were deployed by Mar. 31.

TRPA hosted a presentation on Jan. 22 and nine California and Nevada residents attended. The program was the second joint Nevada-California collaborative effort.

· Certified radon professionals

American Association of Radon Scientists Technologists-National and Radon Proficiency Program (AARST-NRPP) certified mitigator Norm Denny of Pinnacle Construction and certified measurement professional Bob Knauff of Beacon Inspection Services aided NREP with presenting portions of several lectures during the 2019 NRAM season. The expertise of certified radon testers and mitigators is priceless and esteemed by audiences.

#### **Newsletters**

The Nevada Radon Education Program seeks support from entities that produce newsletters by asking those organizations to include information about radon, NREP and NRAM. The following groups included

information in their newsletters this National Radon Action Month. The number of individuals that receive these communications is in parentheses. (See Radon in Newsletters on Page 13.)

- Cooperative Extension Employee Newsletter, The Communique, January 2019 edition (225)
- Canyon Vista Living newsletter for January 2019 (1212)
- Clark County School District's Jan. 24 e-newsletter (317)
- Genoa Connection Winter 2018-2019 newsletter (1,000)
- Incline Village GID Public Works News December 2018 (4,200)
- Kiwanis of Green Valley February 2019 newsletter (40)
- Las Vegas Weekly Feb. 21-27 (62,682)
- Nevada Cancer Coalition January newsletter (1,056)
- Nevada Dept. of Public Safety, Division of Emergency Management, Daily Situation Report Jan. 2
- Nevada Realtors, January newsletter (17,000 Realtors)
- Nevada System of Higher Education e-newsletter Jan. 2, Jan. 4, Jan. 12, Jan. 25 (5,420)
- Osher Lifelong Learning Institute Feb. 1 News You Can Use (1,225)
- Reno-Sparks Indian Colony December newsletter (854)
- Spirit, Sun City Anthem January 2019 newsletter (6,000+)
- Summerlin Rotary Club Feb. 5 Meeting Reminder (60)
- Sun Valley GID 2019 Winter newsletter (6,000)
- Washoe County Chronic Disease Coalition January and February newsletters (320+)
- Washoe County Library System January Newsletter (4,271)
- Washoe Tribe of Nevada & California Environmental Protection Department January newsletter

#### Radon presentations

During this National Radon Action Month season, the NREP team and affiliates gave 42 presentations and spoke at 17 city council, commissioner or board meetings to accept declaration requests reaching more than 1,148 people in in the state. At least 700 short-term test kits were handed out to the people who attended these events. By the end of the quarter, at least 194 or 28 percent of those devices were used. (See presentation recaps on Page 6.)

#### Test kit distribution

From Jan. 1 to Feb. 28 about 2,875 short-term and 40 long-term test devices were distributed to Nevada residents. At the quarter's end, at least 1,308 or 45 percent of the short-term kits were used.

Short-term devices were free to all Nevadans during National Radon Action Month and partnering organizations, Town of Tonopah, City of Henderson, Storey County Senior Center, Lockwood Senior Center, Tahoe Regional Planning Agency, Gardnerville Ranchos GID, Town of Genoa, City of West Wendover, Fernley City Hall, Central Lyon County Fire District, Incline Village Recreation Center, Sun Valley GID, Cooperative Extension Offices and local mitigators helped distribute the devices. Short-term kits are available for \$10 each when it is not NRAM season.

#### **Additional outreach events**

During NRAM, several news releases were submitted to the media. As a result, at least 13 news articles were published, a television report was broadcasted (KRNV), and 35 website articles displayed information about the carcinogen, free kits and presentation details. Social media was also used to raise awareness throughout Nevada. At least 34 Facebook post were made during NRAM, with 7,281 people reached. At least 31 messages on the gas were tweeted, which garnered 14,241 impressions and 180 individuals were engaged with those tweets (See top social media posts on Page 15). NREP's website had 66,586 hits, 13,320 visitors, 16,874 page views and 11,111 webpages downloaded.

#### **Proclamations**

Proclamations were requested and received from the following 45 government entities: (See proclamations article on Page 4.)

- 1. Assemblywoman Sarah Peters
- 2. Nevada Nurses Association
- 3. Nevada Association of Counties
- 4. Washoe County Health District
- 5. Southern Nevada Health District
- 6. Carson City Board of Supervisors
- 7. Churchill County Board of Commissioners
- 8. Clark County Board of Commissioners9. Douglas County Board of Commissioners
- 10. Elko County Board of Commissioners
- 11. Eureka County Board of Commissioners
- 12. Humboldt County Board of Commissioners
- Lander County Board of Commissioners
   Lincoln County Board of Commissioners
- 15. Lyon County Board of Commissioners
- 16. Mineral County Board of Commissioners
- 17. Nye County Board of Commissioners
- 18. Pershing County Board of Commissioners
- 19. Storey County Board of Commissioners
- 20. Washoe County Board of Commissioners
- 21. White Pine County Board of Commissioners
- 22. Boulder City, Mayor Rodney Woodbury
- 23. City of Carlin, Mayor Dana Holbrook
- 24. City of Elko, Mayor Reece Keener
- 25. City of Ely, Melody VanCamp
- 26. City of Fallon, Mayor Ken Tedford
- 27. City of Fernley, Mayor Roy Edington Jr.
- 28. City of Henderson, Mayor Debra March
- 29. City of Las Vegas, Mayor Carolyn Goodman
- 30. City of Lovelock, Mayor Michael Giles
- 31. City of Mesquite, Mayor Allan Litman
- 32. City of North Las Vegas, Mayor John Lee
- 33. City of Reno, Mayor Hillary Schieve

» continued, See NRAM, Page 18

# Radon in newsletters...

January 2019



Radon resources abound for NV homeowners

Radon resources abound for NV homeowners

The Newals Knott Biddenia of Hubbits and the Newals Division of Hubbits and Division of Hubb

Las Vegas Weekly - Feb. 21-27, 2019



Winter 2018-19 **GENOA CONNECTION** 

Nevada Radon Education Program

**RADON AWARENESS** 

IN GENOA JANUARY 9TH 2019

N GEROA JANUARY 9 2013

The Product dates of the Control of the Co

ATTENTIONI Sorrer J. St.

Mountain View Hospital - January 2019

RADON

**H2U Southern Hills Hospital** Lunch & Learn: Radon & YOU Wednesday, Jan. 30 11:30 a.m. - 1 p.m.

Radon is naturally occurring, radioactive

gas that can seep into homes and buildings, accumulating to elevated levels. Breathing radon gas increases a person's risk of developing lung cancer. Guest speaker Nadia Noel, Radon Education

Coordinator for University of Nevada

FOG TOWN OF CENOA

2200 May 27 - 50 SCO 14 GROOK W FOI 11 CO 14

Winter

Spirit Magazine - Sun City Anthem January 2019



Sun Valley GID Pipeline News Winter 2019

S

The University of Nevada Cooperative Extension has provided the District with a limited number of radon kits available FREE to the public. You may get your kit, while supplies last, during regular business hours at the District office. To learn more about Radon in Nevada please visit www.RadonNV.com or call 1-888-RADON10. Kits can be picked up in the office during January and February.

#### Nevada System of Higher Education News Jan. 2, 4, 12, 25, 2019



Nevada System of Higher Education

#### NSHE in the News

Fire radio test kits available for Neyndam - ...The University of Nevada Cooperative Extension says in Nevada, one in four homes tested shows radio concentrations at or above EPA action level. The state of the concentrations are shown to the company of Nevadah Cooperative Extension's Radion Education Program is oftening the free test kits through February 28, 2019.

#### NSHE in the News

System of Higher Education. News clips are sent Monday through Friday

Free radon testing kits available in Clark County - ...The University of Nevada, Reno's Cooperative Extension said it will host the events to teach people about radon, which is colorless, odorless and tasteless.



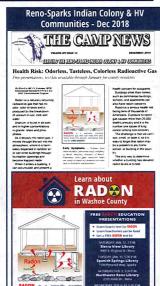


# **IVGID Public Works News** Dec-Jan 19 utility bill LIVER IN PUBLIC WORKS NEWS RAD⊕N in Incline Village and Crystal Bay JANUARY NATIONAL RADON ACTION MONTH TEST KITS ARE FREE TO NEVADA RESIDENTS\* JAN. 1 - FEB. 28, 2019 Go to Incline Village Recreation Center 980 Incline Way, Incline Village Monday-Friday, 6 a.m. to 9 p.m. Saturday-Sunday, 7 a.m. to 8 p.m.

NEVADA CANCER COALITION

Nevada Statewide









#### Washoe County Chronic Disease Coalition Newsletter - February 2019

University of Nevada Cooperative Extension Radon Education Program \* www.RadonNV.com \* 1-888-RADON10 (888-723-6610)

#### **Presentations**

Continued from Page 7

kits and 62 people heard her speak. Five of the test devices have been used so far.



Noel and Knauff spoke to 17 Sahara West Library patrons on Jan. 24.

#### Sahara West Library, Las Vegas - Jan. 24

Noel and Knauff taught 17 patrons about the radioactive gas at the Sahara West Library. At least 13 test kits were distributed and so far, seven of the devices have been used.



Noel spoke to 26 Kiwanians on Jan. 25 at the Omelet House in Las Vegas.

#### The Kiwanis Club of Las Vegas Strip - Jan. 25

Noel spoke to 26 Kiwanians about the carcinogen at the morning meeting. Fourteen test kits were given to attendees, but only two of the devices have been deployed.

#### Laughlin Library - Jan. 26

Noel educated 21 Laughlin Library patrons on radon. Sixteen test devices were distributed and six of them have tested during this quarter.



Noel and Knauff spoke to 16 attendees at the Rainbow Library on Jan. 27.

#### Rainbow Library, Las Vegas - Jan. 27

Knauff and Noel offered a radon lecture to 16 attendees at the Rainbow Library. Of the 17 test kits given out, nine have been utilized so far.

#### Las Vegas Southwest Rotary Club - Jan. 28

About 23 Rotarians took part in Noel's presentation. Of the 19 test kits distributed, two have been used.

#### Windmill Library, Las Vegas - Jan. 28

Six Windmill Library patrons attended a talk offered by Knauff and Noel on Jan. 28. Three test kits were taken and two were utilized this quarter.



Noel and Knauff spoke to Windmill Library patrons on Jan. 28.

### Health 2 U at Mountain View Hospital, Las Vegas – Jan. 29

Noel taught 29 seniors at Mountain View Hospital about radon's health risk and gave out 28 test kits. So far, 11 of the test kits have been used.



Noel spoke to 29 seniors at the Mountain View Hospital on Jan. 29.



Noel and Knauff shared the radon message with 15 attendees at the Paseo Verde Library on Jan. 29.

#### Paseo Verde Library, Henderson - Jan. 29

Knauff and Noel shared the radon message with 15 attendees at the Paseo Verde Library. Attendees received 13 test kits and six of those kits have been utilized thus far.

#### Moapa Valley Rotary Club, Logandale - Jan. 30

Ten Moapa Valley Rotarians learned about radon from Noel on Jan. 30. Eight test kits were taken by the audience and two have been used.

#### Health 2 U Southern Hills Hospital, Las Vegas – Jan.

Noel spoke to 13 seniors at the Southern Hills Hospital meeting. Four of the 12 test kits that were given out were used by the quarter's end.

#### Clark County Library, Las Vegas – Jan. 30

Thirteen Clark County Library patrons



Noel and Knauff spoke to 13 patrons at the Clark County Library on Jan. 30.

learned about radon from Noel and Knauff. The patrons received 22 test kits and five of them have tested for the gas so far.



Noel and Knauff spoke to 33 Realtors at Realty One Group Southwest about Radon and the use of certified professional testers for real estate transactions.

#### Realty One Group Southwest, Las Vegas - Jan. 31

At least 33 Realtors were educated on radon resources and professional testing by Noel and Knauff. The Realtors took 23 test kits and three kits were deployed this quarter.

#### Desert Newcomers, Henderson - Jan. 31

Noel shared the radon message with 65 women of the Desert Newcomers group. Only six of the 38 test kits that were given out have been deployed by Mar. 31.



Noel and Knauff spoke to 15 people at Summerlin Library on Jan. 31.

#### Summerlin Library, Las Vegas - Jan. 31

Knauff and Noel spoke to 15 people about the radioactive gas at Summerlin Library. The presentation participants took 17 test kits and six have been used to date.



Noel and Knauff talked to six people at Mesquite Library on Feb. 1.

#### Mesquite Library - Feb. 1

Knauff and Noel talked to six Mesquite residents about the health risk of radon. Nine test kits were given out and only one has been deployed so far.

#### Green Valley Kiwanis Club, Henderson - Feb. 2

About 41 Green Valley Kiwanis Club members heard the radon message from

» continued, See PRESENTATIONS, Page 16

# Radon on social media...



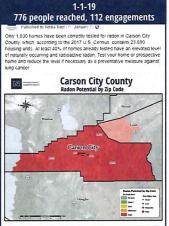


886 people reached, 30 engagements

Nevada Radon Education is giving a free radon presentation and test kits in the City of Henderson Government on Jan. 29 at 6 pm. at Paseo Verde Library, one of the Henderson Libraries. To find out more about this and other presentations taking place in Clark County, Nevada, visit.

RADON PRESENTATION

PASEO V





FREE Radon Test Kits For Nevadans







Tweet on 2-22-19 1487 impressions 19 engagements, 6 retweets



January 2019 Nextdoor app post

ERDE LIBRARY

@ 6 P.M.

# **★** Nextdoor



Tweet on 1-7-19
971 impressions
8 engagements, 2 retweets
V Radon Education

Send Message



#### **Presentations**

#### Continued from Page 7



Noel spoke to the Green Valley Kiwanis Club members at their morning breakfast meeting Feb. 2.

Noel at their weekend breakfast meeting. Fourteen test devices were distributed and two were used this

quarter.

#### Boulder City Senior Center - Feb. 4

Four seniors learned about radon gas from Noel and Knauff at Boulder City Senior Center. Six test kits were given out and three have been used so far.



Noel and Knauff spoke to seniors at Boulder City Senior Center on Feb. 4.

#### Aliante Library, North Las Vegas - Feb. 4

Ten Aliante Library patrons learned about the radioactive gas from Noel and Knauff. Eight kits were distributed and half were utilized this quarter.



Noel and Knauff spoke to 10 Aliante Library patrons on Feb.



Noel taught 11 Boulder City Lions Club members about

#### Rotary Club of Las Vegas, Summerlin - Feb. 5

Twenty-seven Summerlin watched a radon presentation provided by Noel. The attendees took 12 test devices and four have been deployed to date.

#### Boulder City Lions Club - Feb. 5

Noel taught 11 Lions Club members about radon's health risk and provided them with five test kits. So far only one of the test devices has been used.

#### City of Henderson Council Meeting - Feb. 5

Henderson City Council bestowed a decree announcing January as National Radon Action Month and 124 residents witnessed it. Noel gave a brief message.

#### Elko County trip - Feb. 12-13

Last NRAM, a governing official asked why the Nevada Radon Education Program was not offering presentations in their city. In response to that concern, NREP decided that Noel would visit Elko County on Feb. 12-13, to educate residents about radon and give out free radon test kits and educational materials.

#### Keller Williams Group One Realty, Elko - Feb. 12

Noel offered the Nevada Real Estate Commission-approved one-hour continuing education course to 20 real estate professionals at Keller Williams Group One Realty in Elko. After the class, she gave out 11 test kits and so far, one of them has been deployed. (See the NREP offers education class to Realtors" article on Page 1.)

#### Elko Lions Club - Feb. 12

Noel presented to 20 Lions Club members about the health risk of radon, how to test for the gas and the process of reducing an elevated level of it. Twelve test kits were given out.

#### City of Elko Proclamation - Feb. 12

Noel received the City of Elko declaration on Feb. 12, a month after it had been proclaimed the Mayor Reece about the decree Reece Keener.



Keener was so Noel addressed the Elko City Council enthusiastic about radon, then accepted the NRAM proclamation from Mayor

that he read it at both the January and February city council meetings. Thirty-two people were present for the declaration and four test kits were given out afterward. So far only one test device has been used.

#### Elko County Library - Feb. 12

Noel offered a presentation to 19 Elko County Library attendees. Twelve test kits were taken by the audience and two were used by the end of the quarter.

#### Carlin Library - Feb. 13

Noel was scheduled to offer a radon presentation at the library, but the event was canceled due to poor weather conditions. The NREP Education Coordinator was still able to talk to three people about radon and give out two test kits.

# NREP recognized at the Nevada Legislature

n Mar. 5 the Nevada Radon Education members passing by. Promotional items, Program (NREP) staff manned an exhibit literature, maps and fact sheets were also booth in the Nevada Legislature Building provided. fover to offer free test kits and literature to 101



NREP staff had an exhibit booth at the Legislative Building fover on Mar. 5, offering free test kits and literature.

NREP staff were invited to attend a guests in the building as well as staff and legislature Senate meeting as guests of Senator Heidi Gansert. During the session, Gansert introduced Susan Howe and Nadia Noel, sharing information about the NREP staff's radon careers and education.

> After leaving the Senate floor, Howe and Noel visited Senate offices to offer free kits and educational information to those who were unable to visit the foyer table. About 80 free test kits were distributed during the day and nine were used by the end of March.



Howe and Noel were able to take a photo with Senator Heidi Gansert, their host on the Senate floor,

# Numbers compared to last year, last quarter

activities usually result in a larger number of radon test kits distributed and used, homes mitigated and homes tested during real estate transactions than any other quarter during the year.

#### **Distribution Numbers**

The total number of kits distributed over the years now totals 61,109, which is 4,321 more than a year ago. Of the kits distributed over the program's lifetime, 32,524 are used, a 53.2 percent overall usage rate.

#### **Number of Homes Tested**

The total number of homes self-tested and reported from professionals since 1989 is 29,476, an increase of 1,705 homes since last

anuary's National Radon Action Month year, and an increase of 1,046 over last quarter. According to the Occupied Housing Units data for Carson City, Clark and Washoe counties from the 2016 American Community Survey one-vear estimates and the total housing unit data for other counties from the ACS five-year estimate, there are 992,480 Nevada housing units, and 2.97 percent were tested for radon.

#### **Number of Homes Mitigated**

The number of reported homes mitigated now totals 1,361, which amounts to 22.5 percent of the houses that we are aware of needing mitigation (from long- and shortterm radon test results) were mitigated. The total number of homes mitigated increased this year by 150, and increased by 44 for the quarter.

#### Number of Homes Tested before purchase

The total number of reported homes tested for radon in a real estate transaction now totals 2,811, an increase of 510 over last year, and an increase of 127 over last quarter.

#### **Number of RRNC Homes**

The total number of reported homes built with Radon-Resistant New Construction (RRNC) techniques is 507, an increase of 26 over the year and 17 over the last quarter.

These numbers are provided to show the degree of impact that NREP's educational efforts are having in testing and mitigating, building new homes radon-resistant, and for home purchase education.

			FIRM	Neva	da Ra	don E	ducati	ion P	rogra	am's l	mpa	ct Da	ata as	of 3	-31-19	9	
	% Ra	don Pot	ential of	Usable	ST Test F	Results	% kits dis	tributed	/used**	% Ho	mes te	sted	%	Mitigatio	ons	# Real Estate	# RRNC
County	#Valid ST tests*	# Homes < 4 pCi/l	# Homes ≥ 4 pCi/l	% Radon Potential	Average ST radon level pCi/l	Maximum ST radon level pCI/I	# long & short- term test kits distributed	# test kits used	% of test kits used	# Housing units estimated	# Homes tested*	% Homes tested	# Homes that need mitigated+	# Homes mitigated	% Homes mitigated	# Homes tested in a real estate transaction	# Homes built RRNC
Carson City	1,908	1,148	760	39.8%	4.49	100.5	4,639	2,739	59.0%	11,868	2,173	18.3%	734	113	15.4%	179	24
Churchill	499	416	83	16.6%	2.75	16.4	1,207	644	53.4%	10,683	568	5.3%	80	11	13.8%	15	6
Clark	3,713	3,302	411	11.1%	2.07	70.0	10,546	4,710	44.7%	755,258	5,004	0.7%	401	76	19.0%	211	221
Douglas	4,437	2,633	1,804	40.7%	5.06	117.9	10,733	6,760	63.0%	23,810	5,092	21.4%	1,737	375	21.6%	591	103
Elko	479	305	174	36.3%	4.54	57.3	1,164	527	45.3%	20,425	576	2.8%	170	29	17.1%	31	2
Esmeralda	3	3	0	0%*	1.40	1.9	19	3	15.8%	969	7	0.7%	0	0	THE HIE	No. 14 portion ( )	The Reservoir
Eureka	26	18	8	30.8%	4.94	35.1	145	30	20.7%	1,146	34	3.0%	8	0	0%	1	
Humboldt	301	214	87	28.9%	4.19	58.3	776	433	55.8%	7,223	370	5.1%	86	8	9.3%	7	2
Lander	155	131	24	15.5%	2.90	24.9	372	238	64.0%	2,505	210	8.4%	24	2	8.3%	10	1
Lincoln	80	54	26	32.5%	5.83	121.0	205	116	56.6%	2,581	106	4.1%	25	0	0%	1	CORE 1
Lyon	1,220	889	331	27.1%	3.48	135	2,728	1,515	55.5%	22,427	1,429	6.4%	309	47	15.2%	70	21
Mineral	106	63	43	40.6%	4.74	31.1	308	143	46.4%	2,775	123	4.4%	43	4	9.3%	6	1
Nye	181	167	14	7.7%	1.83	9.2	533	241	45.2%	21,786	263	1.2%	13	1	7.7%	9	1
Pershing	205	85	120	58.5%	7.14	42.7	661	349	52.8%	2,403	214	8.9%	119	11	9.2%	7	1
Storey	45	33	12	26.7%	2.93	9.3	197	75	38.1%	2,001	615	30.7%	12	0	0%	1	1
Washoe	10,700	8,360	2,340	21.9%	3.33	195.0	26,254	13,725	52.3%	100,176	12,424	12.4%	2,221	681	30.7%	1664	121
White Pine	213	148	65	30.5%	3.93	32.8	555	263	47.4%	4,444	253	5.7%	63	3	4.8%	8	2
Unknown			Ve. Ve	10 ST. 10		TOTAL S	67	13	19.4%	Property.	15	Market Wall					MESPELL.
Statewide totals	24,271	17.969	6,302	25.97%	3.61	195.0	61,109	32,524	53.2%	992,480	29,476	2.97%	6,045	1,361	22.5%	2811	507

<sup>\*#</sup> Valid Tests and # Homes Tested: Data from the Nevada Radon Program's database of test results was combined with information provided from certified Radon Measurement and Mitigation Providers, as well as AccuStar Lab, Alpha Energy Laboratories, Pro Lab, Air Chek Inc., Nevada Division of Public and Behavioral Health-Radiation Control Program and the Washoe County District Health Department. The Occupied Housing Units data for Carson City, Clark and Washoe counties is from the 2016 American Community Survey 1-year estimates and the total housing units data for other counties are from the ACS 5-year estimates

#### Realtors

#### Continued from Page 1

had learned about radon. The group asked a number of questions. Several attendees stated that the course was the best course they had taken in relation to their profession.

The second class was at Berkshire Hathaway Home Services in Sparks on Mar. 25, where NREP Director Howe and Education Coordinator Noel offered the course to 16 real estate staff. Danielle Snow, office manager, contacted Noel about educating her Realtors on the carcinogen and during the presentation, told her staff to only have a professional test for the gas during a real estate transaction because she doesn't want any liability issues.

The Realtors enjoyed the training, with many of the attendees rating the course as being excellent with comments of "Very informative" and "Great information and presenters." The feedback from the evaluations will be used for future class improvements. After the presentation, the attendees received a total of 13 short-term test kits to use in their own homes.

NREP hopes to offer the class to more Realtors throughout the year.

# **Greenbrae Lions Club** learns about radon

Nadia Noel, education coordinator, educated 20 Greenbrae Lions Club members during the Mar. 19 meeting at Denny's in Sparks. At least 19 test kits were distributed to members.



Noel spoke to 20 Sparks Greenbrae Lions Club members on Mar. 19.

<sup>\*\*#</sup> Test kits Distributed: includes only short- and long-term tests distributed by the Nevada Radon Education Program, Nevada Division of Public and Behavioral Health - Radiation Control Program, and the Washoe County District Health Department

<sup>+</sup> Homes that originally tested at or above the EPA Action Level of 4 pCi/l, that subsequently tested below the action level using a long-term test device, were subtracted from the list of homes ≥ 4 pCi/l.

# **Radon Education Program Numbers**

UNCE Radon Program Numbers	prior to Sep 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY14	FY15	FY16	FY17	FY18	Jul - Sep 19	Oct - Dec 19	Jan - Mar 19	Totals
Radon phone and email inquiries	14,700	2,136	2,688	1,911	2,209	1,946	3,148	1,893	1,349	1,814	1,970	1,351	242	466	545	23,668
Direct contacts promoting radon testing and mitigation	PBLSS LEDES	3,259	14,000	10,428	7,862	7,768	8,416	9,205	9,107	8,633	4,139	9,463	480	1,572	5,023	99,355
Newspaper/magazine articles	1	99	61	85	68	122	105	44	50	45	29	25 /	1	2	18	755
Radon publications/information distributed		2,798	67,071	59,378	58,545	99,057	100,905	126,754	122,637	129,029	117,033	145,290	11,602	24,852	148,510	1,213,461
Radon exhibits	14 00	51	106	186	148	183	77	59	53	29	23	32	3	9	9	968
TV reports	er masa	17	9	57	37	6	4	6	21	23	7	6				193
TV PSAs		7162	al- to	ngan	17 1941	592	310	508	563	879	326	383		NI I	352	3,913
Radio PSAs		6	6	26	6	195	3,755	5,926	6,435	4,848	2,954	2,814	171	and the	1,645	28,616
Website pages of NV Radon information	agulf .	-thice	45	113	253	113	100	90	97	113	55	66	9	7	35	1,096
Social media reach (Facebook)	Drugs.	Assen	non/	and said	LOS N	mod	W West	1,922	2,912	9,912	19,127	8,710	224	1,873	8,510	53,190
Twitter Impressions (begun 10-17-16)	rental.	pitt	1 19	wi to	n/ey/ap	bire	OPEC IN	THOY	With		29,402	23,417	886	1,086	15,108	69,899
Twitter Engagements (begun 10-17-16)								796	BED		404	326	9	23	209	971
Eventbrite page views								355	481	238	668	1,033	61	125	1,630	4,591
Website page hits	160		29,466	59,288	75,920	85,617	152,793	198,030	227,969	343,970	258,278	347,755	44,294	47,272	87,747	1,958,399
Test kits distributed	971	2,469	8,208	5,321	4,829	3,993	4,929	5,219	5,346	5,712	5,746	4,471	195	551	3,149	61,109
Homes newly tested-Short-Term	1,574	1,316	4,062	2,590	2,339	2,025	2,043	2,436	2,350	2,358	2,862	1,738	173	245	1,041	29,152
Homes newly tested-Long Term	41	26	56	30	30	26	29	26	15	16	14	10	3 35	2	2	323
School buildings tested	6	1	16	10	l land	15	1	1	10	0	3	4			2	69
School buildings mitigated	1	1	2	7		THE T	4	1		0	0	1	113			17
Homes mitigated	4	20	75	92	128	127	110	111	127	137	175	146	25	40	44	1,361
Homes with repaired mitigation system or fan replacements			1	1		2		1		1	1	0				7
Large buildings tested	-	27	Total Inc.	31	J. MILL	152	16	5	12	23	33	101	1	1	2	404
Large buildings mitigated			2			1		The		12	0	2	1	1		19
Homes tested in Real Estate transaction	1	27	68	84	168	259	102	364	241	243	438	399	104	186	127	2,811
Homes built with RRNC features	1000	7	36	30	18	22	26	23	228	31	33	32	2	1	17	506
Certified Mitigators		3	2	-1		AL PA	-2	1	11.11	1	1	-1	1		5	10
Builders using RRNC			E SE		5	3	1	1	2	0	0	0	1131		4	16
Realtors promoting Radon testing		4446	PART	414	di Ne	26	7	3	52	23	39	65	14	14	16	259

#### **Proclamations**

#### Continued from Page 4

in advance of the proclamation on Dec. 20.

- Howe and Noel were given the Carson City Board of Supervisors' decree on Jan. 3.
- · Howe and Noel received the Douglas County proclamation on Jan. 7.
- Juliana Baker-Tingey, Elko County Extension Educator, accepted the Elko County Board of Commissioners' declaration on Jan. 7.
- Howe and Noel accepted the Town of Gardnerville declaration on Jan. 8.
- · Howe and Noel were provided with the Town of Minden proclamation on Jan. 9.
- · Howe and Noel received the Town of Genoa decree on Jan. 10.
- Shannon Berumen, executive secretary for Lander County Cooperative Extension, accepted the Lander County Board of Commissioners' declaration on Jan. 13.
- Howe and Noel were given the City of Sparks declaration on Jan. 14.
- · Howe and Noel accepted the Washoe County proclamation on Jan. 15.
- · Noel was given the Southern Nevada Health District decree on Jan. 24.
- Cherie Nevin, Community Relations Coordinator, received the Storey County proclamation on Feb. 5.
- Noel received the City of Henderson declaration on Feb. 5.
- Noel accepted the City of Elko proclamation on Feb. 12.



Shannon Berumen accepted the Lander County Commissioners proclamation for NRAM on Dec. 13.



Douglas County Commissioners proclaimed January as National Radon Action Month on Jan. 7.



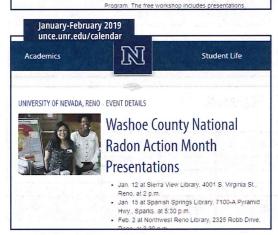
Howe and Noel accepted the National Radon Action Month proclamation offered by Sun Valley GID officers Dec. 13.

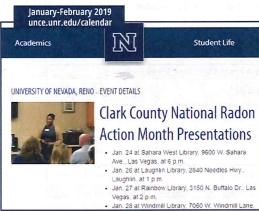


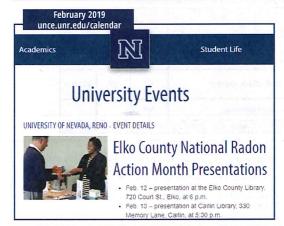
The Town of Minden approved a proclamation for National Radon Action Month on Jan. 9.

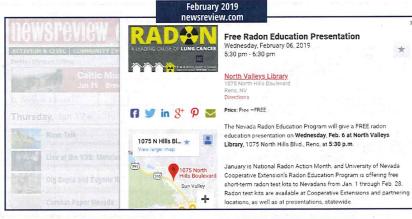
# Calendar of events...



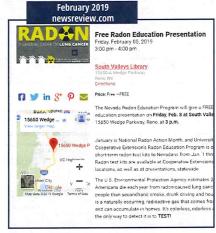


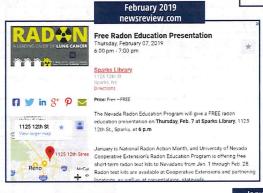
















#### **Nevada Radon Short-Term Test Results\***

From 1989 to March 31, 2019

Nevada counties	Carso	on City	Chu	rchill	Cla	ark	Dou	iglas	E	ko	Esme	ralda	
Total number of usable tests per county	1,9	808	49	99	3,7	713	4,4	437	4	79		3	
EPA Action Level	<4.0	<u>&gt;</u> 4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	
No. of short-term radon test results	1,148	760	416	83	3,302	411	2,633	1,804	305	174	3	0	
% of homes tested that have elevated radon levels	39.	83%	16.0	63%	11.0	07%	40.	66%	36.	33%		sample size too small	
Nevada counties	Eur	eka	Hum	boldt	Lar	nder	Lin	coln	Ly	on	Min	eral	
Total number of usable tests per county	26		301		1	55	8	30	1,:	220	106		
EPA Action Level	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	
No. of short-term radon test results	18	8	214	87	131	24	54	26	889	331	63	43	
% of homes tested that have elevated radon levels	30.77%		28.90%		15.48%		32.50%		27.13%		40.	57%	
Nevada counties	N	ye	Pers	hing	Sto	rey	Was	shoe	White	e Pine	TOT	ALS	
Total number of usable tests per county	1	81	20	05	4	5	10,	700	2	13	24,	271	
EPA Action Level	<4.0	<u>&gt;</u> 4.0	<4.0	≥4.0	<4.0 ≥4.0 <		<4.0	≥4.0	<4.0	≥4.0	<4.0	>4.0	
No. of short-term radon test results	167	14	85	120	33	12	8,360	2,340	148	65	17,969	6,302	
% of homes tested that have elevated radon levels	7.7	73%	58.54%		26.67%		21.87%		30.52%		25.97%		

<sup>\*</sup>State data provided by the Nevada State Health Division, Nevada certified radon testers and the following labs: AccuStar Labs, Alpha Energy Laboratories, Air Chek, Inc. and Pro Lab. Results based on independently tested homes. When known, post-mitigation results are not included and usable results are valid tests, one per home, using an average of multiple tests from the lowest level of the home tested. (Schools & large buildings not included.)

#### Nevada Radon Long-Term Test Results\*\*

From January 2001 to March 31, 2019

Nevada counties	Car	son ity	Chui	rchill	CI	ark	Doug	glas	EII	ko	Humb	boldt	Lai	nder	Line	oln	Ly	on	Mir	neral	Pers	shing	Was	shoe	Wh		тот	ALS
Total number of usable tests per county	7	9	A	7		57	16	9	1	2	5	5		3	3		4	5		1		4	33	32	8	3	72	25
EPA Action Level	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0
No. of long-term radon test results				1	44	13	128	41	7	5	3	2	2	1	2	1	37	8	0	1	2	2	248	84	6	2	521	204
% of homes tested that have high radon levels	54.	.4%	14.	3%	22	.8%	24.	3%	41.	7%	40.	0%	33	.3%	33.	3%	17.	8%	10	0%	50.	.0%	25.	3%	25.	0%	28.1	14%

<sup>\*\*</sup>State data provided by RSSI, Alpha Energy Laboratories and AccuStar Labs. Results based on independently tested homes. When known, post-mitigation results are not included and usable results are valid tests, one per home, using an average of multiple tests from the lowest level of the home tested. (Schools & large buildings not included.)

#### NRAM

#### Continued from Page 12

- 34. City of Sparks, Mayor Ron Smith
- 35. City of West Wendover, Mayor Daniel Corona
- 36. City of Winnemucca, Mayor Richard Stone
- 37. Town Board of Amargosa Valley
- 38. Town Board of Gardnerville
- 39. Town of Genoa
- 40. Town Board of Minden
- 41. Town of Tonopah
- 42. Gardnerville Ranchos General Improvement District
- 43. Gerlach General Improvement District
- 44. Incline Village General Improvement District
- 45. Sun Valley General Improvement District

#### **Radon Zone Summaries**

Nevada Radon Zone Short-Term Test Result Summary								
Zones	Countles	Total Tests	Tests ≥4 pCl/l	% high radon				
Zone 1 High Potential	Carson City, Douglas, Elko, Eureka, Humboldt, Lincoln, Lyon, Mineral, Pershing, Storey, Washoe, White Pine	19,724	5,771	29.26%				
Zone 2 Moderate Potential	Churchill, Clark, Lander	4,367	518	11.86%				
Zone 3 Low Potential	Nye, Esmeralda	184	14	7.61%				
	Statewide statistics	24,275	6,303	25.96%				

Nevada Radon Zone Long-Term Test Result Summary											
Zones	Countles	Total Tests	Tests ≥4 pCl/l	% high radon							
Zone 1 High Potential	Carson City, Douglas, Elko, Eureka, Humboldt, Lincoln, Lyon, Mineral, Pershing, Storey, Washoe, White Pine	658	189	28.72%							
Zone 2 Moderate Potential	Churchill, Clark, Lander	67	15	22.39%							
Zone 3 Low Potential	Nye, Esmeralda	NA									
A PROPERTY.	Statewide statistics	725	204	28.14%							



The University of Nevada, Reno is committed to providing a place of work and learning free of discrimination on the basis of a person's age, disability, whether actual or perceived by others (including service-connected disabilities), gender (including pregnancy related conditions), military status or military obligations, sexual orientation, gender identity or expression, genetic information, national origin, race, or religion. Where discrimination is found to have occurred, the University will act to stop the discrimination, to prevent its recurrence, to remedy its effects, and to discipline those responsible.

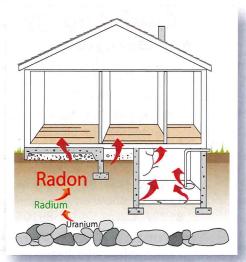


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# Learn about

in Washoe County

RADON is a naturally occurring radioactive gas that can seep into your home from the ground, increasing your risk for LUNG CANCER. All homes should be tested!





RADON is colorless, odorless and tasteless: the only way to detect it is to **TEST** 



Radon is the primary cause of LUNG CANCER for non-smokers



Most RADON exposure happens in homes



1 IN 5 homes tested in Washoe County have an elevated level of RADON





FOR MORE RADON INFORMATION Radon Hotline: 888-RADON10 (888-723-6610)

#### **FREE RADON PRESENTATIONS**

THURSDAY, JAN. 9, 6 p.m.

**IVGID Public Works** 

1220 Sweetwater Road, Incline Village

WEDNESDAY, JAN. 15, 6 p.m.

South Valleys Library 15650 Wedge Parkway, Reno

**SATURDAY, JAN. 18, 11 a.m.** 

Sparks Library 1125 12th St., Sparks

SUNDAY, JAN. 19, 11 a.m.

Downtown Reno Library 301 South Center St., Reno

SATURDAY, FEB. 8, 11 a.m.

Northwest Reno Library 2325 Robb Drive, Reno

#### FREE RADON TEST KITS

(Jan. 1 - Feb. 29)

**EXTENSION, WASHOE COUNTY** 

(M-F, 8 a.m. - 5 p.m.) 4955 Energy Way, Reno Phone: 888-723-6610

#### **INCLINE VILLAGE RECREATION CENTER**

(M-F, 6 a.m. - 9 p.m.; S-Sn, 7 a.m. - 8 p.m.) 980 Incline Way, Incline Village Phone: 775-832-1300

**SUN VALLEY GID** 

(M-F, 8 a.m. - 5 p.m.)

5000 Sun Valley Blvd., Sun Valley

Phone: 775-673-2220

# MORE FREE RADON PRESENTATIONS IN NEVADA

### **Carson City**

TUESDAY, JAN. 14, 6:30 P.M.

Carson City Senior Center 911 Beverly Drive, Carson City, 89706

## **Douglas County**

THURSDAY, JAN. 16, 6:30 p.m.

Genoa Town Hall 2287 Main Street, Genoa, 89411

THURSDAY, JAN. 30, 6 p.m.

**CVIC Hall** 

1604 Esmeralda Ave., Minden, 89423

THURSDAY, FEB. 6, 6 p.m.

Tahoe Regional Planning Agency 128 Market St., Stateline, 89449

# **Storey County**

WEDNESDAY, FEB. 12, 12:15 p.m.

Lockwood Senior Center 800 Peri Ranch Road, Lockwood, 89434

THURSDAY, FEB. 20, 1 p.m.

Storey County Senior Center 100 Mill St., Virginia City, 89440

### Clark County

WEDNESDAY, JAN. 22, 6 p.m.

Clark County Library 1401 E. Flamingo Road Las Vegas, 89119

FRIDAY, JAN. 24, 10:30 a.m.

James Gibson Library 100 W. Lake Mead Parkway Henderson, 89015

FRIDAY, JAN. 24, 5:30 p.m.

A.D. Guy Knowledge Center 817 N St., Las Vegas, 89106

SATURDAY, JAN. 25, 3 p.m.

Boulder City Library 701 Adams Blvd., Boulder City, 89005

**SUNDAY, JAN. 26, 2 p.m.** 

Sahara West Library 9600 W. Sahara Ave., Las Vegas, 89117

MONDAY, JAN. 27, 6 p.m.

Paseo Verde Library 280 S. Green Valley Parkway Henderson, 89012

TUESDAY, JAN. 28, 6 p.m.

Summerlin Library 1771 Inner Circle Drive Las Vegas, 89134

#### FREE\* Radon Test Kit Coupon

\*plus shipping fee for mail orders

# For Nevada residents only Offer ends Feb. 29, 2020

This special radon test kit offer is provided by University of Nevada, Reno Extension Nevada Radon Education Program, the Nevada Division of Public and Behavioral Health and the U.S. Environmental Protection Agency. The test kit includes analysis, postage-paid mailer and laboratory test report.

NAME		
MAILING ADDRESS		
CITY	_STATE	ZIP
PHYSICAL ADDRESS		
CITY	STATE	_ ZIP
PHONE ( )		
EMAIL		
How did you hear about radon?		

Free kits can be picked up at a local Extension or partner office listed in this brochure.

To receive a kit by mail during the free period, A SHIPPING FEE of \$4 APPLIES. Please make checks payable to Board of Regents and mail this coupon to:

#### Nevada Radon Education Program 4955 Energy Way Reno, NV 89502

NOTE: For out of state residents or to get a test kit after the coupon expires, go to <a href="https://nvSTradonkit.eventbrite.com">https://nvSTradonkit.eventbrite.com</a> using American Express, Discover, MasterCard and Visa cards, or mail this coupon and a \$14 check payable to Board of Regents to the address above, or visit an Extension office near you.

Office Use	
DATE:	
TEST KIT NUMBER:	

Code

NRAM 2020 Washoe County

Kit not intended for commercial use or resale



# SURGEON GENERAL'S WARNING:

Radon Causes Lung Cancer. You Should Test Your Home.

Radon is the primary cause of lung cancer among nonsmokers

21,000 AMERICANS
DIE OF RADON-CAUSED
LUNG CANCER EACH YEAR



Nevada Radon Education Program

Like us on Facebook: Nevada Radon Education Follow us on Twitter: @NV Radon Program www.Radon NV.com or 888-RADON 10

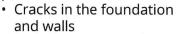
#### What is radon?

RADON

- Radon is a naturally occurring radioactive gas that you can't see, smell or taste.
- It is produced from the decay of uranium present in rock and soil.
- Radon can accumulate in buildings, causing an increased risk for lung cancer.

#### How does radon enter a home?

Radon usually enters building from the soil. Common entry points include:



- · Construction joints
- Gaps in suspended floors
- Gaps around service pipes
- Floor drains, sump pumps
- Retaining walls



FLOOR-WALL

WELL WATER

# Radon is the leading cause of lung cancer among nonsmokers. Lung cancer is the only health effect that has been scientifically linked



to radon exposure.

• The U.S. Environmental
Protection Agency estimates radon is
responsible for 21,000 lung cancer deaths
each year in the United States.

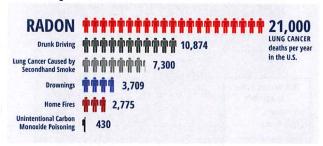
What are the health effects from

- Smokers are at higher risk of developing radon-induced lung cancer.
- According to experts, living in a home with an average radon level of 4 pCi/l (the EPA Action Level) poses a similar risk of developing lung cancer as smoking about half a pack of cigarettes a day!
- The U.S. Surgeon General and EPA recommend all homes be tested for radon.



If you smoke and your home has high radon levels, your risk of lung cancer is even higher

# **Comparison of causes of death**



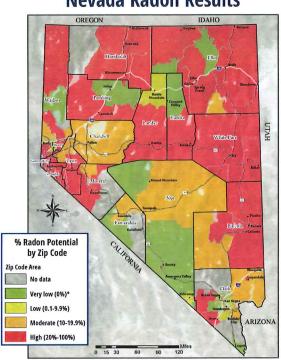
Sources: U.S. EPA Citizen's Guide to Radon, 2017 National Highway Traffic Safety Administration, 2014 Centers for Disease Control and Prevention, 2017 National Safety Council, 2016 U.S. Fire Administration and 2019 Centers for Disease Control.



# How do you know if your home has a radon problem?

- One in 4 Nevada homes tested have elevated radon concentrations.
- The U.S. Surgeon General recommends all homes be tested for radon.
- Radon can enter any home, old or new, large or small.
- Two neighboring houses can have totally different radon levels.
- Slab, basement or crawl space foundations all have the potential for a radon problem.
- Homes in 12 Radon Zone 1 counties have the highest occurrence for elevated radon levels.
   Zone 1 counties are Carson City, Douglas, Elko, Eureka, Humboldt, Lincoln, Lyon, Mineral, Pershing, Storey, Washoe and White Pine.
- The only way to know the radon level in your home is to test.

#### **Nevada Radon Results**



\*\*Note: Results are based on independently tested home data from program-provided kits, radon professionals and rulabs, from 1959 to June 30, 2018. When known, post-miligation results are not included and usable results are valid tests, on home, using the highest radon level on the lowest tested level of the home.

#### **Testing for radon is easy**





- The test is easy to do and takes three days to complete.
- The test kit includes a radon detector, instructions, a postage-paid return mailer, and the laboratory analysis report.
- Short-term radon test kits are available to Nevada residents at Cooperative Extension offices listed or by filling out the attached coupon.

#### Private water wells and radon

The Nevada Division of Public and Behavioral Health has found no evidence that radon in water contributes significantly to the indoor radon problem in Nevada. The major health concern for radon is from breathing elevated levels of radon in the air, which can cause lung cancer. Thus, test the home for radon in air first before considering a radon in water test.

Generally, private wells are more apt to have a radon concern than public water systems. If you are interested in testing your private well water, a number of sources are available for testing radon in water. The Nevada State Public Health Laboratory, located on the UNR campus, will send water samples for analysis to an EPA approved lab for about \$89. For more information, call the Nevada Radon Hotline.

#### How do you fix a radon problem?

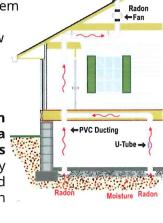
- Homes with high radon levels can be fixed.
- If you have performed only a single test, the EPA recommends a second test to confirm your results before fixing your home.
- Radon levels fluctuate naturally, and it is important to know if the initial test was an

accurate assessment of your home's yearly average radon level.

 If the average of the two tests is at or above the EPA Action Level of 4 pCi/l it is time to address the problem.

There are several radon mitigation strategies which involves installing a vent system with an active fan.
 The system will draw out the harmful soil gas and prevent it from entering your home.

 Certified radon mitigators, with a state contractor's license, are highly recommended for fixing radon problems.



- For certified Nevada radon mitigators, go to:
  - http://bit.ly/NVCertifiedTester
  - http://aarst-nrpp.com
  - http://www.nrsb.org

#### For more information

#### **Nevada Radon Education Program**

Nevada Radon Hotline: 888-RADON10 (888-723-6610)

#### Email:

Susan Howe – shhowe@unr.edu Nadia Noel – nadian@unr.edu

Radon in Nevada website: www.RadonNV.com

# Nevada Division of Public and Behavioral Health 775-687-7550



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#### Test kits are available in January and February at the following Extension and partner locations:

Carson City County 2621 Northgate Lane #15 Carson City, 89706 Phone: 775-887-2252

Churchill County 111 Sheckler Road, Fallon Phone: 775-423-5121

Clark County 8050 Paradise Road #100 Las Vegas, 89123 Phone: 702-222-3130

• A.D. Guy Knowledge Center 817 N St., Las Vegas Open 10 a.m. to 7 p.m. Call: 702-998-0223

 Henderson City Hall City Clerk's Office 240 S. Water St., Henderson Call: 702-267-1400

 Northeast Clark County 1897 N. Moapa Valley Blvd., Logandale Call: 702-397-2604

• NE Clark County Satellite 155 N. Willow St., Mesquite Call: 702-346-7215

Laughlin office
 55 Civic Way, Laughlin
 Call ahead: 702-299-1333

**Douglas County** 1325 Waterloo, Gardnerville Phone: 775-782-9960

• Genoa Town Office 2289 Main St., Genoa Phone: 775-782-8696

Indian Hills GID
 3394 James Lee Park Road
#A, Carson City
 Phone: 775-267-2805

 Tahoe Regional Planning

Agency 128 Market St., Stateline Phone: 775-588-4547

Elko County

701 Walnut St., Elko Call ahead: 775-738-7291

• West Wendover City Hall 1111 N. Gene L. Jones Way Phone: 775-664-3081

**Eureka County** 

701 S. Main Št., Eureka Call ahead: 775-237-5326

Humboldt County 1085 Fairgrounds Road Winnemucca Call ahead: 775-623-6304 Lander County 815 N. Second St., Battle Mtn

Call ahead: 775-635-5565
Lincoln County
360 Lincoln St., Caliente

Call ahead: 775-726-3109

504 S. Main St., Yerington Call ahead: 775-463-6541 • Fernley City Hall

595 Silver Lace Blvd. 775-784-9930 • Central Lyon County

Fire District 246 Dayton Valley Road Ste. 106, Dayton Phone: 775-246-6209

Mineral County 205 South A St., Hawthorne Call ahead: 775-945-3444

Nye County

• Northern Nye County #1 Frankie St. Old Courthouse, Tonopal Call ahead: 775-482-6794

• Tonopah Town Office 140 S. Main St. Phone: 775-482-6336

• Southern Nye County 1651 E. Calvada Blvd., Pahrump Call ahead: 775-727-5532

Pershing County
810 Sixth St., Lovelock

Call ahead: 775-273-2923 Storey County

• Storey County Senior Center 100 Mill St., Virginia City Call: 775-847-0957

• Lockwood Senior/ Community Center 800 Peri Ranch Road, Lockwood Phone: 775-342-2840

Washoe County 4955 Energy Way, Reno Phone: 775-336-0252

• Sun Valley GID 5000 Sun Valley Blvd. Phone: 775-673-2220

• Incline Village Rec Ctr 980 Incline Way 775-832-1300

White Pine County 950 Campton St., Ely Call ahead: 775-289-4459

Call the Radon Hotline for more info: 888-RADON10



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