

City of Elko)
County of Elko)
State of Nevada)

SS February 12, 2019

The City Council of the City of Elko, State of Nevada met for a regular meeting beginning at 4:00 p.m., Tuesday, February 12, 2019.

This meeting was called to order by Mayor Reece Keener.

CALL TO ORDER

ROLL CALL

Mayor Present: Reece Keener

Council Present: Councilwoman Mandy Simons
 Councilman Schmidtlein
 Councilman Chip Stone
 Councilman Bill Hance

City Staff Present: Curtis Calder, City Manager
 Scott Wilkinson, Assistant City Manager
 Ryan Limberg, Utilities Director
 Kelly Wooldridge, City Clerk
 Suzie Shurtz, Human Resources Manager
 Jeff Ford, Building Official
 Cathy Laughlin, City Planner
 Candi Quilici, Accounting Manager
 Troy Poncin, Information Systems Manager
 Dennis Strickland, Public Works Director
 John Holmes, Fire Marshal
 Jack Snyder, Deputy Fire Chief
 Ben Reed Jr., Police Chief
 James Wiley, Parks and Recreation Director
 Jim Foster, Airport Manager
 Bob Thibault, Civil Engineer
 Dave Stanton, City Attorney
 Diann Byington, Recording Secretary

PLEDGE OF ALLEGIANCE

APPROVAL OF MINUTES: January 22, 2019 **Regular Session**

**** A motion was made by Councilman Schmidtlein, Seconded by Councilman Stone, to approve the minutes.**

The motion passed unanimously. (5-0)

I. PRESENTATIONS

- A. Reading of a proclamation recognizing the month of February as “Beef Month,” and matters related thereto. **INFORMATION ONLY – NON ACTION ITEM**

Mayor Keener read the proclamation and presented a copy of it to a representative from Elko County Cattlewomen.

Sydney Wintermoe, Elko County Cattlewomen, presented Mayor Keener a large roast and thanked him for the proclamation.

- B. Presentation of the “National Radon Action Month Proclamation” to Nadia Noel, Radon Education Coordinator, University of Nevada Cooperative Extension, and matters related thereto. **INFORMATION ONLY – NON ACTION ITEM**

Mayor Keener read the proclamation and presented a copy of it to a representative. He admitted that when he read the proclamation last month he went out and got a kit and is waiting for the results.

Nadia Noel, Radon Education Coordinator Nevada Radon Education Program, handed out some information for Councilmembers (Exhibit “A”). She explained that Radon is a problem in Elko and surrounding areas. Radon test kits are available at a few locations and there are some presentations available for people that want more information.

COMMENTS BY THE GENERAL PUBLIC

Pursuant to N.R.S. 241, this time is devoted to comments by the public, if any, and discussion of those comments. No action may be taken upon a matter raised under this item on the agenda until the matter itself has been specifically included on a successive agenda and identified as an item for possible action. **ACTION WILL NOT BE TAKEN**

Cami Gerber, Great Basin College Foundation, 1500 College Pkwy, explained she was there with Matt McCarty, Director. They manage resources from the community for the benefit of the students and programs at Great Basin College. The Annual Dinner Dance Gala is back and will be held March 16, 2019 at the Elko Convention Center. It will begin at 6:00 p.m. with cocktails, 6:45 p.m. dining and dancing until 10:00 p.m. Machi’s will cater the event. The tickets are \$65 each or \$450 for a table of eight. Everyone is invited to attend or donate.

II. CONSENT AGENDA

- A. Review and possible designation of an independent auditor to prepare the annual audit for the City of Elko for Fiscal Year ending June 30, 2019, pursuant to NRS 354.624, and matters related thereto. **FOR POSSIBLE ACTION**

Each year the City is required to designate an independent auditor prior to March 31 of the year in which the audit is to be conducted. The City put out Requests for Proposals for auditing services for a period of five years on March 2016, and awarded the RFP to HintonBurdick, PLLC. JJ

- B. Review, consideration, and possible adoption of current FEMA's Schedule of Equipment Rates for City of Elko equipment charge outs, and matters related thereto. **FOR POSSIBLE ACTION**

The City of Elko has not updated its equipment rate schedule since June of 2005. In order to facilitate charge outs for reimbursement for equipment utilized by the City of Elko in the event of an incident of accident requiring our assistance the City needs rate schedules to charge for the equipment used in the incident. FEMA has a very extensive equipment rate schedule which they update periodically. DS

- C. Review, consideration, and possible adoption of the updated City of Elko Storm Water Advisory Committee (SWAC) Bylaws, and matters related thereto. **FOR POSSIBLE ACTION**

The Committee felt there were a couple of items that needed to be modified. See the copy of the SWAC Bylaws showing the tracked changes. DS

- D. Review, consideration, and possible acceptance of a Deed of Dedication (requested by the City) from the Elko County School District to the City of Elko for a permanent non-exclusive Right of Way, and matters related thereto. **FOR POSSIBLE ACTION**

The purpose of this right of way is to allow the City a location to run a future water line connecting North 5th Street to BLM property where this water line would continue on to a future tank site. RL

- E. Review, consideration, and possible approval of a list of appraisers recommended by the City Manager for purposes of conducting appraisals during the 2019 calendar year, and matters related thereto. **FOR POSSIBLE ACTION**

Elko City Code Section 8-1-1 requires the City Manager or designee to compile and to submit a list of appraisers qualified to conduct business in the City of Elko to the City Council on or about January 1st of each year. The Planning Department has developed a list of qualified appraisers interested in conducting business with the City of Elko and the City Manager has approved the list. CL

**** A motion was made by Councilwoman Simons, seconded by Councilman Schmidlein, to approve the Consent Agenda.**

The motion passed unanimously. (5-0)

III. PERSONNEL

- A. Mayoral designation of City Council members to specific "Liaison" positions within the City of Elko, and matters related thereto. **NO ACTION BY THE COUNCIL REQUIRED**

Designation of a Council member to the Arts and Culture Advisory Board. CC

Mayor Keener nominated Councilwoman Simons to be the liaison for the Arts and Culture Advisory Board.

Councilman Stone volunteered to be in second position.

IV. APPROPRIATIONS

- A. Review and possible approval of Warrants, and matters related thereto. **FOR POSSIBLE ACTION**

**** A motion was made by Councilwoman Simons, seconded by Councilman Hance, to approve the general warrants.**

The motion passed unanimously. (5-0)

- B. Review and possible approval of Print 'N Copy Warrants, and matters related thereto. **FOR POSSIBLE ACTION**

**** A motion was made by Councilwoman Simons, seconded by Councilman Stone, to approve the Print 'N Copy warrants.**

The motion passed. (4-0 Mayor Keener abstained.)

- C. Review, consideration, and possible direction to Staff to solicit bids for the East Secondary Clarifier Rehabilitation Project-2019, and matters related thereto. **FOR POSSIBLE ACTION**

This is a maintenance project budgeted for in the current year budget. The work consists of sandblasting and repainting all metal surfaces above and below the waterline of the clarifier with 3 or 4 coats of paint, respectively. Additionally, any damaged components noticed will be repaired during this time while the clarifier is drained of water. RL

Ryan Limberg, Utilities Director, explained this is a standard maintenance issue. They could not complete maintenance until the new clarifier was completed.

Councilman Schmidtlein asked if they expect to find any damage.

Mr. Limberg said it is usually minimal. They weren't expecting anything unusual.

**** A motion was made by Councilman Schmidtlein, seconded by Councilwoman Simons, to direct staff to solicit bids for the East Secondary Clarifier Rehabilitation Project 2019.**

The motion passed unanimously. (5-0)

- D. Review, consideration, and possible action to retain the law firm of Taggart and Taggart, Ltd. to represent the City of Elko in pending litigation brought by the Pershing County Water Conservation District against the Nevada Division of Water Resources, and matters related thereto. **FOR POSSIBLE ACTION**

On August 12, 2015, Pershing County Water Conservation District (PCWCD), which is principally composed of agricultural interests owning water rights in the Lovelock area, filed a petition in the 11th Judicial District Court (Pershing County) asking the court to require the State Engineer to make a number of decisions potentially having significant adverse impacts on water rights throughout the Humboldt River Basin.

If the court grants the relief requested by PCWCD, curtailment of ground water pumping could be required in the Elko Segment of the Humboldt River Basin. This and other matters before the court could significantly hamper the City's ability to utilize its water rights, with consequential impacts on growth and economic development.

Both Newmont and Barrick have filed motions to intervene.

Staff believes that the City of Elko is an interested and affected party in this matter and has an interest in the outcome of the PCWCD litigation in Pershing County. By intervening in the litigation, the City of Elko would have the opportunity to protect its water rights through the legal process.

The law firm of Taggart and Taggart, Ltd. specializes in water rights litigation and is currently representing at least one other party seeking to intervene in the lawsuit. The law firm has indicated that it could also represent the City without a conflict of interest. There would be an economic benefit to using the same law firm to represent one or more similarly-situated parties in the litigation. RL

Mr. Limberg explained since this agenda action sheet was completed, the law firm is now representing three other clients. In 2014 and 2015, Pershing County wasn't getting much water. They weren't getting surface water. They filed a lawsuit and the State had until February 4th to respond to that lawsuit. One thing in the State Engineer's response to the lawsuit was, *"On December 3, 2018, the State Engineer also filed a separate motion requiring PCWCD to provide notice to all potentially effected appropriators in the Humboldt River Basin based on the Eureka County Decision. This motion is still pending at this time though the State Engineer respectfully restates his argument that it would be appropriate to require PCWCD to serve all potentially effected appropriators and to allow them to intervene prior to advancing these proceedings. Doing so would assure those potentially effected water rights holders' due process interests are sufficiently protected so that they may be afforded notice and an opportunity to be heard before their property interests may be impacted."* Current intervening parties, as of a week ago, include Newmont, Marigold, Barrick, US Water and Land, Crawford Farms and one other party. If the City retains this law firm and files a motion to intervene, there is no guarantee that a judge would allow that and Pershing County can oppose that motion to intervene.

Mayor Keener stated we need to be prudent in protecting our water rights. We need to go on record that we are an interested party.

Mr. Limberg said legal counsel read and approved the legal services agreement.

Councilwoman Simons asked Mr. Stanton, if we file this then we are part of a lawsuit.

Dave Stanton, City Attorney, said if the motion to intervene is granted, we become a party to the litigation. Each party would be given an opportunity to present an argument. If we don't intervene, we won't have a seat at the table.

Mayor Keener said if Pershing County were to prevail in this, it is conceivable that the water division would go through the Humboldt Basin and pare back holders of existing water rights.

Mr. Stanton agreed and added that the State Engineer could order various water users, including the City of Elko, to curtail pumping and prevent the City from utilizing some of the water rights it has.

Councilman Stone thought it was important point that some of the largest employers support this and see the need to protect our water rights.

Mayor Keener called for public comment without a response.

Councilwoman Simons said it makes her nervous to be part of a lawsuit.

Councilman Schmidlein said we have a responsibility. We can't be oblivious to potentially losing what all the residents of Elko are relying on. We need to provide water for the residents.

**** A motion was made by Councilman Schmidlein, seconded by Councilman Hance, to direct staff to sign the Legal Services Agreement retaining the law firm of Taggart and Taggart Ltd., to represent the City in the pending litigation between PCWCD and the Division of Water Resources, which representation would include filing a motion to intervene on the City's behalf, in an amount not to exceed \$15,000.**

The motion passed unanimously. (5-0)

- E. Review, consideration, and possible approval of a Professional Services Agreement (PSA) with Lumos and Associates for design of the Exit 298 Lift Station and Sewer Force Main project, and matters related thereto. **FOR POSSIBLE ACTION**

At the January 8, 2018 City Council meeting, Council directed Staff to negotiate a professional services agreement with Lumos and Associates and bring that agreement back to City Council for final approval. RL

Mr. Limberg explained the Lumos proposal was included as an exhibit to the standard Professional Services Agreement in the agenda packet.

Mayor Keener asked if they are utilizing local engineers.

Mr. Limberg answered they are using High Desert Engineering and a local electrical contractor.

Councilman Schmidlein was glad they are using local firms for the design.

**** A motion was made by Councilman Schmidlein, seconded by Councilwoman Simons, to approve the Professional Services Agreement with Lumos and Associates for the design of the Exit 298 Lift Station and Sewer Force Main project.**

The motion passed unanimously. (5-0)

- F. Review, consideration, and possible issuance of final acceptance for the WRF Emergency Diesel Generator Construction Project, and matters related thereto. **FOR POSSIBLE ACTION**

The project is complete. There were two change orders for the project totaling \$30,800.00. Change order #1 was for providing and installing 600 linear feet of 250 MCM copper wire in the amount of \$6600.00. Change order #2 was for enlarging the concrete pad. This cost was \$24,200.00 and Smith Power Products paid for the costs associated with this change order. RL

**** A motion was made by Councilwoman Simons, seconded by Councilman Stone, to issue final acceptance for the WRF Emergency Diesel Generator Construction Project.**

The motion passed unanimously. (5-0)

- G. Review and possible selection of an engineering firm to provide services at the Elko Regional Airport, and matters related thereto. **FOR POSSIBLE ACTION**

The current Professional Service Agreement for engineering services at the airport expired January 14, 2019.

The airport for the next five-year (5) period as required under FAA Advisory Circular 150/5100-14 series. The Airport selection committee held interviews on January 29, 2019 and interviewed two (2) engineering firms: Armstrong Consultants, Inc., and Jviation Engineering. The selection committee recommends that the Council select Jviation Engineering for the next five (5) year engineering service contract. Upon selection, Staff will negotiate a Professional Services Agreement with the successful firm. This new agreement will be brought back to Council for review and approval. JF

Jim Foster, Airport Manager, explained the tally sheets were included in the packet. Kirk Nielson from Jviation was present.

Kirk Nielson, Jviation, said they have been doing engineering at the airport for the last five years and look forward to another five years.

**** A motion was made by Councilman Stone, seconded by Councilwoman Simons, to award the bid to Jviation Engineering for the next five years for engineering services at the Elko Regional Airport.**

The motion passed unanimously. (5-0)

V. SUBDIVISIONS

- A. Review, consideration, and possible action to conditionally approve Final Plat No. 12-18, filed by DDS Properties LLC., for the development of a subdivision entitled Humboldt Hills involving the proposed division of approximately 9.443 acres of property into 26 lots for residential development within the R1 (Single Family Residential) Zoning District, and matters related thereto. **FOR POSSIBLE ACTION**

Subject property is located east of Jennings Way approximately 120' north of Cortney Drive (APN 001-01H-001). Preliminary Plat was recommended to Council to conditionally approve by Planning Commission July 9, 2018 and conditionally approved by City Council July 24, 2018. The Planning Commission considered this item on November 6, 2018 and took action to forward a recommendation to City Council to conditionally approve Final Plat 12-18. CL

Cathy Laughlin, City Planner, explained this was conditionally approved and recommended by the Planning Commission prior to the new code update. She explained the agenda item. Staff recommended approval with thirteen conditions.

Mayor Keener said he understood the parcel was difficult to develop.

**** A motion was made by Councilman Schmidtlein, seconded by Councilwoman Simons, to conditionally approve Final Plat No. 12-18 for the Humboldt Hills Subdivision, subject to the thirteen conditions as recommended by the Planning Commission.**

The motion passed unanimously. (5-0)

VI. UNFINISHED BUSINESS

- A. Review, consideration, and possible action to conditionally approve Final Plat No. 11-18, filed by Parrado Partners LP., for the development of a subdivision entitled Great Basin Estates, Phase 3 involving the proposed division of approximately 9.650 acres of property into 38 lots for residential development within the R (Single Family and Multiple Family Residential) Zoning District, and matters related thereto. **FOR POSSIBLE ACTION**

Subject property is located generally northeast of Flagstone Drive between Opal Drive and Clarkson Drive (APN 001-633-030). Preliminary Plat was recommended to Council to conditionally approve by Planning Commission May 3, 2016 and conditionally approved by Council May 24, 2016. The Planning Commission considered this item on September 6, 2018, and took action to forward a recommendation to Council to conditionally approve Final Plat 11-18. CL

**** A motion was made by Councilwoman Simons, seconded by Councilman Schmidtlein, to table.**

The motion passed unanimously. (5-0)

- B. Title: Review, consideration, and possible issuance of a permanent Certificate of Occupancy for the property located at 537 South 5th Street, owned by Mr. John Dagley, and matters related thereto. **FOR POSSIBLE ACTION**

The City issued a Temporary Certificate of Occupancy dated October 7, 1993 for a structure located at 537 South 5th Street. The Temporary Certificate of Occupancy was issued for a period of 180 days and cited three conditions to be satisfied before a final inspection could be completed. The first condition required completion of the final grade which based on the City approved grading plan. The grading plan showed drainage away from the structure to the South Fifth Street right-of-way. That condition has not been addressed. The City Council considered the request for a permanent Certificate of Occupancy on October 11, 2016 and directed staff to seek solutions for the drainage issues associated with 537 S. 5th Street and hopefully engage neighbors in the area and be able to come up with a solution that can be presented to the board. The Building Official and the Assistant City Manager inspected the site with Mr. Dagley on June 12, 2018. Based on the information presented by Mr. Dagley and the site inspection, no apparent solutions were identified. Mr. Dagley met with the Assistant City Manager on February 4, 2019 and provided his files for review. The Assistant City Manager identified a potential solution which requires drainage into the sanitary sewer. The Assistant City Manager discussed the possibility with the Utilities Director and determined the potential solution could be presented to Mr. Dagley. The Assistant City Manager met with Mr. Dagley on February 5, 2019, discussed the potential solution, and informed Mr. Dagley that he would need to engage the appropriate design professional to fully evaluate and design the drainage solution. SW

Scott Wilkinson, Assistant City Manager, explained they did not engage the adjacent/abutting property owners. There is some drainage issue going on between the properties but the real issue is that the subject property does not drain in its existing circumstances. He and Jeff Ford met with Mr. Dagley on site to discuss the issue. This is a complicated issue. He reviewed Mr. Dagley's files and found a drawing that showed a potential of collecting the water at the low point (front of the building), cut the slab of the building and route a drainage over to the sewer cleanout. He felt that was the only potential solution. Mr. Dagley would need to engage an engineer and evaluate the feasibility, design it and submit it to the City for review and possible approval.

John Dagley said this was brought to council two years ago. Since then there has been a lot going on. He drew up one set of plans some time ago and passed it around (Exhibit "B"). There is only one inch of drainage from the top of the slab to the sidewalk. The original drawing showed drainage of 8.5 inches but that isn't the case. They have no place to go with the water. There is no way to solve this without tearing the building down. He has proposed putting in a grease/oil/water separator at the northeast corner of the property. He would have to go in several feet but there are several trees in the way. The engineer he hired (Lostra) came out and looked at this and so did Ruby Dome Construction and Remington Construction. He has been trying to come up with a solution for this. The construction companies are reluctant due to how deep they need to dig. They are worried the trees have rooted under the building and the foundation will be

damaged during excavation. He has seen quotes up to \$100,000 for the work. The property isn't worth putting the money into it. He can't sell the property because he doesn't have a permanent certificate of occupancy. He had hired Greg Corn to file a suit against Mr. Cortez, and in the middle of the filings, Greg Corn passed away and he (Mr. Dagley) ended up in the hospital. He wasn't even aware there was an issue with the Certificate of Occupancy until Alan Kightlinger told him. This was built behind the City's back without any inspections. For 26 years, it has been there. The price to do this work is too high and he can't do it. He doesn't have any solutions other than what he is proposing, and he isn't sure he can do that without shutting down his business. The City has held the position that this is not a City problem; it's a civil problem. How can it be his problem when it is the City that overlooks the whole process? He wasn't there when this slipped through the City's fingers; none of us were. This can't be the only property that has slipped through the City's fingers. If he has to make these costly changes, then the properties around him should have to as well. He wants a fair chance. The costs are out of hand and he doesn't know what to do.

Mayor Keener stated this is a thorny issue. He disclosed that Mr. Dagley's business is a competitor but they are on friendly terms and he doesn't feel there is a conflict. The costs of \$90,000 or more, was that to tap into the sewer? (Yes) Did he ever seek any remedy from Mr. Cortez through Mr. Corn?

Mr. Dagley said the paperwork was ready to file when Mr. Corn passed away. He didn't know Mr. Corn had passed away for a few months. The bar association was supposed to come in and go over Mr. Corn's cases but he has yet to hear from them or another attorney. He still has money on retainer with that office.

Mr. Wilkinson stated he has never seen detail plans on how he would route the drainage to the sewer. He felt it would be beneficial for Council to see a quote on the costs. There isn't any information to support the costs Mr. Dagley is giving us. He wants Mr. Dagley to explore the options with an engineer and contractors and bring that information back.

Mayor Keener asked about the property to the south, shouldn't they have had a grading permit?

Mr. Wilkinson didn't think talking about adjacent or abutting properties was part of the issue. This property has an issue with drainage from the building. The City is not responsible to provide construction management on a project. We permit the projects and inspect them and issue C of O's if they are completed per plan. That didn't occur in this case.

Councilman Schmittlein asked if the City gives him 180 days to hire an engineering firm, get City approval and then get some estimates to bring back to council, if that is something he can work with?

Dave Stanton, City Attorney, said the City adopted a new building code and it created a new procedure for dealing with Certificates of Occupancy. The way it works now is the Building Official decides whether or not to issue the Certificate of Occupancy, and not the City Council. There is no mechanism for waiving the requirement. If the Certificate of Occupancy gets denied then there is an appeal process. Tonight, this is not an appeal nor is it a hearing. Council does not have the authority under the Code to issue a Certificate of Occupancy. Council is limited in terms of what can be done. He thought the right thing for Mr. Dagley to do is to work with staff,

hire an engineer and solve the problem. Once that is done he can then approach the Building Department and apply for a Building Permit to get a Certificate of Occupancy.

Mr. Dagley said they have been working on this since 2010. He can't solve this in 120 days and he wasn't sure why he would have to apply for a Building Permit when he wasn't building a new building.

Mr. Wilkinson clarified he would have to apply for a Plumbing Permit because he would be changing the plumbing.

Mayor Keener said the property has limited economic value as it is right now. You are almost forced into finding a solution and putting it in place. They can't change what happened in 1993; they can only focus on what is going on right now.

**** A motion was made by Councilman Schmidlein, seconded by Councilman Hance, to deny the request for a permanent Certificate of Occupancy.**

The motion passed unanimously. (5-0)

IX. 5:30 P.M. PUBLIC HEARINGS

- A. Review, consideration, and possible action to adopt Resolution No. 1-19, a resolution and order vacating 5' of the existing 10' public utility and drainage easement along the southwesterly lot line of parcel referred to as APN 001-61J-028, filed and processed as Vacation No. 4-18 filed by Koinonia Construction, and matters related thereto. **FOR POSSIBLE ACTION**

Council accepted a petition for the subject vacation at its regular meeting of December 18, 2018, and directed Staff to continue with the vacation process by referring the matter to the Planning Commission. The Planning Commission considered the vacation at its special meeting January 3, 2019, and took action to forward a recommendation to Council to adopt a resolution, which conditionally approves Vacation No. 4-18 with findings in support of its recommendation. CL

Cathy Laughlin, City Planner, explained this is the final stage in the vacation process. Planning Commission forwarded a recommendation to conditionally approve. She went over the application.

Mayor Keener called for public comment without a response.

**** A motion was made by Councilwoman Simons, seconded by Councilman Stone, to adopt Resolution No. 1-19, which contains conditions as recommended by the Planning Commission.**

The motion passed unanimously. (5-0)

- B. Review and consideration of submitted data and/or arguments and determination as to whether the proposed **ORDINANCE NO. 835: AN ORDINANCE AMENDING TITLE 8, CHAPTER 2, OF THE ELKO CITY CODE**

ENTITLED “CONDITIONS OF UTILITY OCCUPANCY OF PUBLIC ROADS AND CITY STREET CUTS AND REPAIRS” BY ADDING SMART DIG REQUIREMENTS, AND MATTERS RELATED THERETO will impose a direct and significant burden upon a business or directly restrict the formation, operation, or expansion of a business, and matters related thereto.
FOR POSSIBLE ACTION

Pursuant to NRS 237.080 the City of Elko notified owners and officers of businesses which may be affected by the ordinance. Staff has prepared a Business Impact Statement for Ordinance No. 835.

On August 28, 2018, Council approved initiation of Ordinance No. 835, and directed Staff to prepare a business impact statement. Pursuant to NRS 237.090, a Business Impact Statement has been prepared and must be considered by the City Council prior to the public hearing, and adoption of the ordinance. KW

Kelly Wooldridge, City Clerk, explained she was presenting the Business Impact Statement for Ordinance No. 835, amending Title 8, Chapter 2, Conditions of Utility Occupancy of Public Roads and City Street Cuts and Repairs. The Clerk’s Office mailed notices to 204 contractors, engineers, developers and utility companies. It was published in the paper for five days and gave over 15 business days for comments pursuant to NRS 237. She received one written comment from Frontier and it is attached to the Business Impact Statement included in the agenda packet. They feel the ordinance can cause additional costs to them and delay projects. That was the only possible adverse affect that was found. Other cities have found beneficial impacts and she went over them. Council needs to decide if there is an adverse effect, what we need to do to change the ordinance, or to approve the Business Impact Statement.

Dick Campbell, 825 Oak Creek Place, Spring Creek, Area Service Manager for NV Energy, said this was brought to his attention and he read the provision. It seems to be on the contractor performing the work to install this additional conduit. He would like to know who is paying the bill for the additional labor costs for this. He doesn’t feel his rate payers should be paying for this to be done.

Weston Williams, A & E Construction, 4990 Victory Boulevard, said they are a contractor for many of the utility companies in town. The concern they have is increasing the costs of putting down conduit. Their ultimate goal is to cause the least amount of disturbance as possible. They often have required clearances and other steps that need to be taken, and this can cause them to lose money. How would that even be engineered by the City? As they gain the permit, where would these be placed?

Councilman Schmidlein said the only way this is going to work is for open excavation. For areas where they may be doing a road crossing, you may want to put something like this in. If the City wants that put in, the City should pay that bill. It’s not right to make the contractor pay that.

Councilman Hance said in the Ordinance, Section 3, it states that the City will pick up the cost of materials and such.

Scott Wilkinson, Assistant City Manager, said the City also picks up the cost for them to include that in their design. He thought that was clarified in the ordinance. It is also just for excavations 100 foot or more in length.

Mr. Williams said as he read through the ordinance, he thought labor was excluded. It did include materials but labor was specifically excluded.

Mr. Wilkinson said that was correct. He thought it would be near impossible to figure out what that labor cost would be when you are digging a trench for other utilities. Materials are easy to identify. We thought that was a pretty good approach.

Councilwoman Simons asked how much labor will it require to put in the conduit.

Councilman Schmidtlein said it doesn't cost much more to put in conduit. It can be argued but he has guys that put that in all day long. It would closely break even.

Councilman Hance thought that was still covered in Section 3 of the proposed ordinance.

Mayor Keener thought this was important for the City to grow. We need to adopt what other cities and communities are doing nationwide in order to be a more modern city.

Ms. Wooldridge said they can clean up the ordinance up a bit to be more specific on the labor.

Councilman Schmidtlein suggested some language and wondered if they can change the language at this time.

Dave Stanton, City Attorney, said this is the time to add language to the ordinance. This is not a first reading yet. That will be at the next meeting.

Mr. Wilkinson agreed to looking further at the ordinance language.

BREAK

Mayor Keener called the meeting back to order and asked Mr. Wilkinson if he had any proposed language to add to the ordinance.

Mr. Wilkinson read some of the ordinance and made some suggestions. The words drilling, boring and tunneling that can come out of the definition for excavation. That would leave just open trenching. This is for private excavation. In the proposed ordinance (as drafted) 8-2-3B-B-1a and c can be left in, and strike b. That will allow for materials, labor and equipment to all be paid for that incremental cost.

Mayor Keener called for public comment.

**** A motion was made by Mayor Keener, seconded by Councilwoman Simons, to approve the Business Impact Statement pursuant to NRS 237, Ordinance No. 835, determining that it does not impose a direct or significant economic burden on business, or**

directly restrict the formation, operation or expansion of a business. He referenced Mr. Wilkinson's comments as they relate to the guidelines that will run with this Ordinance.

The motion passed unanimously. (5-0)

VII. NEW BUSINESS

- A. Review, consideration, and possible approval of an Agreement to Install Improvements and Performance/Maintenance Guarantees for subdivision improvements associated with the Humboldt Hills subdivision, and matters related thereto. **FOR POSSIBLE ACTION**

Elko City Code 3-3-21 requires the subdivider to have executed and filed an agreement between the subdivider and the City for the required subdivision improvements, included stipulations on the timeframe for when those improvements are to be completed, and to post a performance guarantee in accordance with Elko City Code 3-3-22. The Planning Commission recommended as one of the conditions for approval of the final plat, that the agreement shall be approved by the City Council.

The Planning Commission also recommended that the Developer shall enter into the agreement within 30 days of the City Council's approval of the final plat. SAW

Mr. Wilkinson recommended approval of the agreement as proposed.

Mayor Keener called for public comment without a response.

**** A motion was made by Councilwoman Simons, seconded by Councilman Hance, to approve the Agreement to Install Improvements and Performance Maintenance Guarantees for subdivision improvements associated with the Humboldt Hills Subdivision, the subdivider shall enter into the agreement within 30-days.**

The motion passed unanimously. (5-0)

- B. Review, consideration, and possible action to accept the 2018 Annual Report of Planning Commission Activities, and matters related thereto. **FOR POSSIBLE ACTION**

Pursuant to City Code Section 3-4-23, the Planning Commission is required to prepare and present an Annual Report of its activities to Council. On February 5, 2019, the Planning Commission took action to approve the 2018 Annual Report of Planning Commission Activities, and forward it to the Council. CL

Cathy Laughlin, City Planner, explained this is the 2018 Annual Report and went over the details.

**** A motion was made by Councilman Hance, seconded by Councilman Stone, to accept the 2018 Annual Report of the Planning Commission activities.**

The motion passed unanimously. (5-0)

- C. Review, consideration, and possible approval of an Agreement to Install Improvements and Performance/Maintenance Guarantees for subdivision improvements associated with the Great Basin Estates Phase 3 subdivision, and matters related thereto. **FOR POSSIBLE ACTION**

Elko City Code 3-3-21 requires the subdivider to have executed and filed an agreement between the subdivider and the City for the required subdivision improvements, included stipulations on the timeframe for when those improvements are to be completed, and to post a performance guarantee in accordance with Elko City Code 3-3-22. The Planning Commission recommended as one of the conditions for approval of the final plat, that the agreement shall be approved by the City Council.

The Planning Commission also recommended that the Developer shall enter into the agreement within 30 days of the City Council's approval of the final plat. CL

NO ACTION

- D. Review, consideration, and possible action to fill a vacancy on the Elko City Planning Commission, and matters related thereto. **FOR POSSIBLE ACTION**

On January 8, 2019, Council accepted a letter of resignation from Planning Commission member David Freistroffer. Staff conducted the standard recruitment process and has received 2 letters of interest to serve on the Planning Commission, copies of which are included in the Council packet. The new member will be appointed to fill the remainder of the four-year term, which will expire at the end of July 2021. CL

Ms. Laughlin explained there were two letters of interest and both applicants were in the audience.

Jennifer Beck, 369 Parkchester Dr. in Spring Creek, said she put in her application to be on the commission. She went to school to be a project manager for Ormaza Construction. She wants to see positive growth within the community.

Mayor Keener said there is an issue with her residency. You need to be a resident of the City of Elko to serve on the commission.

Dave Stanton, City Attorney, agreed.

Gratton Miller, Elko, said he wanted to join the commission because he believes he can be an asset. He went over his experience.

Mayor Keener and Councilman Schmidtlein thanked both for applying.

**** A motion was made by Councilman Schmidtlein, seconded by Councilman Stone, to appoint Gratton Miller to fill the vacancy on the Elko City Planning Commission with the term expiring July 2021.**

The motion passed unanimously. (5-0)

- E. Review, consideration, and possible adoption of the updated City of Elko Americans with Disabilities Act (ADA) Transition Plan, and matters related thereto. **FOR POSSIBLE ACTION**

The City of Elko's current plan, dated April, 1993, was extremely outdated and needed to be updated. The Nevada Department of Transportation's ADA Coordinator reached out to the City inquiring about the City's transition plan and offered guidance from NDOT in an effort to update our plan. DS

Dennis Strickland, Public Works Director, explained the plan was very outdated and needed to be replaced.

**** A motion was made by Councilman Hance, seconded by Councilwoman Simons, to adopt the updated Americans with Disabilities Act Transition Plan.**

The motion passed unanimously. (5-0)

VIII. PETITIONS, APPEALS, AND COMMUNICATIONS

- B. Review, consideration, and possible approval of a variance, related to the expansion of an existing facility located at 1225 Water Street, from Section 3-8-6 of the Elko City Code which stipulates a lowest floor elevation requirement of two feet above the base flood elevation, and matters related thereto. **FOR POSSIBLE ACTION**

The property owner is proposing an expansion of the existing facility located at 1225 Water Street. The owner's engineer has filed a variance request allowing for a lower floor elevation of 1.85 feet above base flood elevation for both the existing structure and the expansion area. The variance request of 0.15 less than the required two feet above base flood elevation stipulated in the code. The basis for the request is to match the existing floor elevation which was approved for construction under different guidelines in effect at the time of development. Additionally, City Code is more restrictive than the FEMA requirement of one foot over base flood elevation. SAW

Scott Wilkinson, Assistant City Manager, explained the request was in the packet. He sent out a memo earlier today that goes through all of the findings and code requirements. If Council chooses to grant this variance, the memo should be referenced for the findings in the motion.

Tom Ballew, High Desert Engineering, 640 Idaho Street, stated his case. You are not approving anything FEMA would be objecting to. They want the variance to allow the construction to match the existing building floor elevation.

Mr. Wilkinson noted there was a flood insurance rate map revision in 2017 that put the building into zone X but one of the driveways is still mapped as an AH flood hazard zone. The risk to the structure is extremely low. He felt the findings in his memo are very important for the motion.

**** A motion was made by Councilman Schmidtlein, seconded by Councilman Hance, to approve the Variance related to the expansion of an existing facility located at 1225 Water Street, Section 3-8-6 of the City Code, which stipulates a lowest floor elevation requirement of 2 feet above the flood elevation, and to allow the elevation of 5065.87, which is an inch and a half or .13 below the 2 foot requirement, to allow the variance, and also to incorporate the entire memo which Mr. Wilkinson had presented to the Councilmembers.**

The motion passed unanimously. (5-0)

VII. NEW BUSINESS (Cont.)

- F. Review, consideration, and approval of the 2019 City of Elko Land Inventory update, and matters related thereto. **FOR POSSIBLE ACTION**

City of Elko Land Inventory spreadsheet is to be updated when necessary. Planning Commission reviewed the modifications at their February 5, 2019 meeting and recommended to City Council to approve the updated land inventory. CL

Cathy Laughlin, City Planner, went over the suggested modifications.

**** A motion was made by Councilman Schmidtlein, seconded by Councilman Stone, to approve the updated 2019 City of Elko Land Inventory.**

The motion passed unanimously. (5-0)

- G. Review, consideration, and possible approval of authorization for Staff to initiate the acquisition of .841 acres of real property from Barry W. and Lynn M. Lipparelli Trust for the amount of \$38,500, the appraised value of the property stated in the appraisal of Jason Buckholz of CRBE Inc., for the creation of the Cattle Drive and Tamarak Road Rights-of-Way, and matters related thereto. **FOR POSSIBLE ACTION**

City Staff supports the acquisition of a portion of APN 006-09B-087 and 006-09B-088 for the creation of the Cattle Drive and Tamarak Road Rights-of-Way. SAW

Scott Wilkinson, Assistant City Manager, went over the request. He recommended the acquisition and stated this is budgeted for.

**** A motion was made by Councilwoman Simons, seconded by Councilman Stone, to authorize staff to proceed with the Barry W. and Lynn M. Lipparelli Trust property land acquisition for the appraised value of \$38,500, for the creation of Cattle Drive and Tamarak Road Rights-of-Way.**

The motion passed unanimously. (5-0)

- H. Review, consideration, and possible approval of a Hangar (E-3) Lease Agreement with James D. Boyer, and matters related thereto. **FOR POSSIBLE ACTION**

James D. Boyer assumed a Lease Assumption of Hangar E-3 from Ed and Sharon Netherton on November 1, 2015. The Lease Assumption expired February 28, 2018 and a new Lease Agreement needs to be completed with Mr. Boyer. Additionally, airport ground leases of less than one-half an acre are no longer subject to appraisal/auction process for cities whose population is less than 25,000 (NRS 496.80) JF

Jim Foster, Airport Manager, explained there were a couple of things that Mr. Boyer wanted updated since the new lease agreement was given to Council. He went over the changes (Exhibit "C").

**** A motion was made by Councilman Stone, seconded by Councilman Hance, to approve the T-Hangar E-3 Lease Agreement with James D. Boyer, subject to the two changes that have been recognized.**

The motion passed unanimously. (5-0)

VIII. PETITIONS, APPEALS, AND COMMUNICATIONS (Cont.)

- A. Review, consideration, and possible action to approve Curb, Gutter, and Sidewalk Waiver No. 1-19, filed by Medallus Urgent Care, which waives the requirement for curb and gutter on the north side of Lamoille Highway abutting APN 001-750-016, and matters related thereto. **FOR POSSIBLE ACTION**

Per Elko City Code Section 2-13-3, public improvements are required on developed lots or parcels of land involve a change in building occupancy and use of land. The applicant has recently leased the property which was vacant for more than 12 months and lost all legal non-conforming status. NDOT has reviewed the need for curb and gutter at this location and has determined that it is not needed to control drainage in this area. Staff recommends approval of the waiver for curb and gutter with sidewalk still being required. CL

Cathy Laughlin, City Planner, explained the key part of this background information was that the building sat vacant for more than 12 months and lost legal non-conformance. They explained to the property renter that the building needed to be brought up to City Code requirements. There is curb, gutter and sidewalk that ends at the intersection, with the sidewalk continuing on around to the driveway. He will be required to continue the sidewalk on the other side of the driveway, but NDOT has stated they do not want the continuation of curb and gutter. She recommended the waiver of curb and gutter only. Sidewalk will still be required.

Councilman Hance asked if the existing sidewalk is in the NDOT right-of-way? Yes. Will the future sidewalk be in the NDOT right-of-way? Yes

Dennis Strickland, Public Works Director, added that they will have to make sure they are ADA compliant across their driveway. He has been meeting with NDOT to get the pedestrian connectivity in place between 12th Street and Carlin Court.

Dave Stanton, City Attorney, added some points regarding criteria that the waiver must be based upon. Council will need findings that are consistent with the code.

**** A motion was made by Councilman Schmidlein, seconded by Councilman Hance, to approve Curb/Gutter Waiver No. 1-19, for the waiver of curb and gutter along Lamoille Highway abutting APN: 001-750-016, with the understanding that the sidewalk will still be install and per City Code Section 2-13-B, that the curb and gutter is not practical to be installed with the drainage currently there and NDOT will not allow the installation of curb and gutter.**

The motion passed unanimously. (5-0)

- C. Review, consideration, and possible action concerning a Letter of Protest by current property owners concerning the fence height related to the development of the storage facility located at the intersection of 12th Street and Opal Drive, and matters related thereto. **FOR POSSIBLE ACTION**

The City received a letter of protest on January 22, 2019. The letter of protest is dated January 18, 2019 and relates to the height of the screen wall constructed on the abutting commercial development, which is a storage unit facility. The reason for the complaint is that the constructed screen wall blocks the complainants' views and thus affects their home values.

Conditional Use Permit 3-17 for the development was approved by the Planning Commission on July 18, 2017. Condition 10 of the approval required construction of the screen wall as shown on the plans. The plans show a screen wall with a minimum height of eight feet, six inches and a maximum height of nine feet, six-and one-half inches. The plans identified a solid concrete masonry unit (CMU) wall with a natural concrete finish. The developer has installed a solid precast wall approximately eight feet in height on the 12th Street and Opal Drive frontages.

Pursuant to City Code Section 3-2-18(E), the Planning Commission makes the final determination on conditional use permits, subject to the right of appeal as set forth in Section 3-2-25. However, in this case, there was no appeal of the conditional use permit and the time limit of ten (10) calendar days after the decision for filing an appeal with the City Clerk, required by Section 3-2-25(A) of the City Code, has expired. SAW

Scott Wilkinson, Assistant City Manager, referred to his memo and went over the highlights. He didn't think there was anything Council could do with this. There will be a new hearing with

some proposed changes to the development of the property at another public hearing for a Conditional Use Permit on March 5th.

Dennis Strickland, Public Works Director, said the homeowners were present for a while but left early.

Mr. Wilkinson didn't think there was a provision in code that would allow for any type of action by the Council to override the Conditional Use Permit as approved.

Dave Stanton, City Attorney, said procedurally, he didn't know what Council could do with this.

NO ACTION

X. REPORTS

A. Mayor and City Council

Mayor Keener went to Carson City for Mayor's Day at the Legislature. There will be a government day in late March. He has been in touch with Congressman Amodei and he is making progress with Union Pacific Railroad regarding the easement that we have in contention that would connect Manzanita and Silver Street.

Councilman Schmidlein attended a Fairboard meeting last night. They were discussing doing some miscellaneous improvements but he felt there are some ethic issues.

B. City Manager - Legislative Report

Curtis Calder said he did not have a Legislative Report but they have completed some fiscal notes. You will see a check in the next set of warrants for payment back to Elko County refunding an overpayment to the City of Elko for the Fire District.

C. Assistant City Manager - 403 Pine Street

Scott Wilkinson said the 403 Pine response was better than expected. The property owner cleaned up the property. The only issue was a vehicle that was moved out to the Right-Of-Way and the City towed it. Legal Counsel drafted a letter to close out the file. There will probably be some more nuisances coming to Council in the next couple of months.

D. Utilities Director

Ryan Limberg reported he is working on a draft water agreement with the VA.

E. Public Works

F. Airport Manager - Airport Operations, Part 139 Inspection

Jim Foster said they are still dealing with weather. There have been delays but no cancellations. They had the Part 139 Inspection during some weather issues and they had a great inspection. Mayor Keener asked about a \$6,500 warrant on a door. Mr. Foster answered those doors are over 20 years old and they needed some repairs. Curtis Calder said it resolved the north side door issue where it stayed open all of the time.

G. City Attorney

H. Fire Chief

- I. Police Chief
- J. City Clerk
- K. City Planner

Cathy Laughlin reported there will be a rezone as a public hearing at the next Council Meeting. The 20+ acres adjacent to the Golden Gate development has been proposed for a zone change.

- L. Development Manager
- M. Administrative Services Director
- N. Parks and Recreation Director – **Report Swimming Pool Repair**

James Wiley reported the project is on schedule for the Pool Renovation. It is still out for bid for another week. They will bring a recommendation to the next meeting. Snobowl will be open for another weekend and maybe the next weekend. They will keep it open for as long as they can.

- O. Civil Engineer - **Sports Complex**

Bob Thibault reporting nothing is really happening at the Sports Complex because of the weather conditions.

- P. Building Official

Jeff Ford said he was happy to report that the Komatsu project is fully permitted and up and running.

COMMENTS BY THE GENERAL PUBLIC

Pursuant to N.R.S. 241, this time is devoted to comments by the public, if any, and discussion of those comments. No action may be taken upon a matter raised under this item on the agenda until the matter itself has been specifically included on a successive agenda and identified as an item for possible action. **ACTION WILL NOT BE TAKEN**

There were no public comments.

There being no further business, Mayor Reece Keener adjourned the meeting.

Mayor Reece Keener

Kelly Wooldridge, City Clerk

Exhibit A



University of Nevada
Cooperative Extension

Nadia Noel

Radon Education Coordinator
Nevada Radon Education Program

4955 Energy Way
Reno, Nevada 89502

direct	(775) 336-0252
radon hotline	(888) 723-6610
fax	(775) 784-4881
email	noeln@unce.unr.edu
website	www.RadonNV.com

FREE* Radon Test Kit Coupon

*plus shipping fee for mail orders

For Nevada residents only

Offer ends Feb. 28, 2019

This special radon test kit offer is provided by University of Nevada Cooperative Extension, 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 Nevada Cooperative 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:

UNCE-Radon Program
4955 Energy Way
Reno, NV 89502

NOTE: For out of state residents and to get a test kit after the coupon expires, go to <https://nvradonkit.eventbrite.com> 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 a Cooperative Extension office near you.

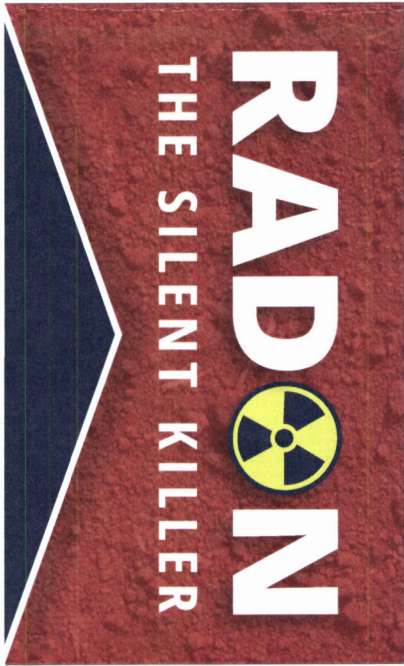
Office Use

DATE: _____

TEST KIT NUMBER: _____

Code
NRAM 19 2-12-19
Elko City Council

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

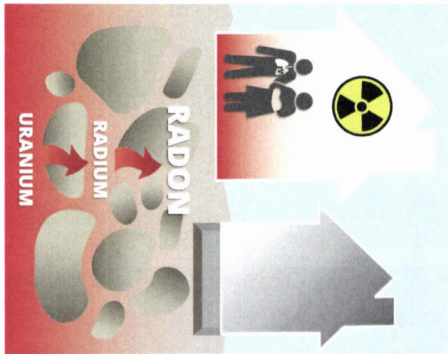


Nevada
Radon
Education Program

Like us on Facebook: Nevada Radon Education
Follow us on Twitter: @NVRadonProgram
www.RadonNV.com or 888-RADON10

What is radon?

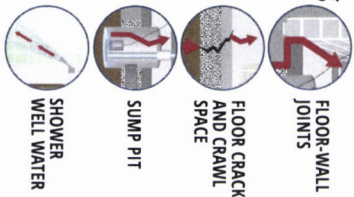
- Radon is a naturally occurring radioactive gas that you can't see, smell or taste.
- It is produced from the decay of uranium present in rock and soil.
- Radon can accumulate in buildings, causing an increased risk for lung cancer.



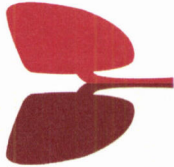
How does radon enter a home?

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

- Cracks in the foundation and walls
- Construction joints
- Gaps in suspended floors
- Gaps around service pipes
- Floor drains, sump pumps
- Retaining walls



What are the health effects from exposure to radon?

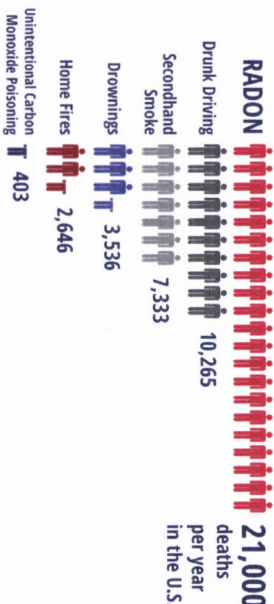


- Radon is the leading cause of lung cancer among nonsmokers.
- Lung cancer is the only health effect that has been scientifically linked to radon exposure.
- The U.S. Environmental Protection Agency estimates radon is responsible for 21,000 lung cancer deaths each year in the United States.
- Smokers 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

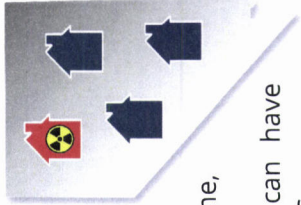
Radon Health Risk



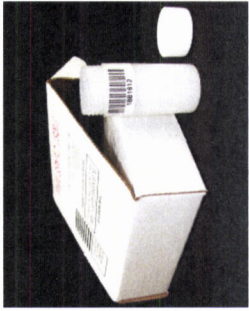
*Radon is estimated to cause about 21,000 lung cancer deaths per year, according to EPA's 2003 Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

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.



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.

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.

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.

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.

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.

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.

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.

There are several radon

mitigation strategies which involves installing a vent system with an active fan.

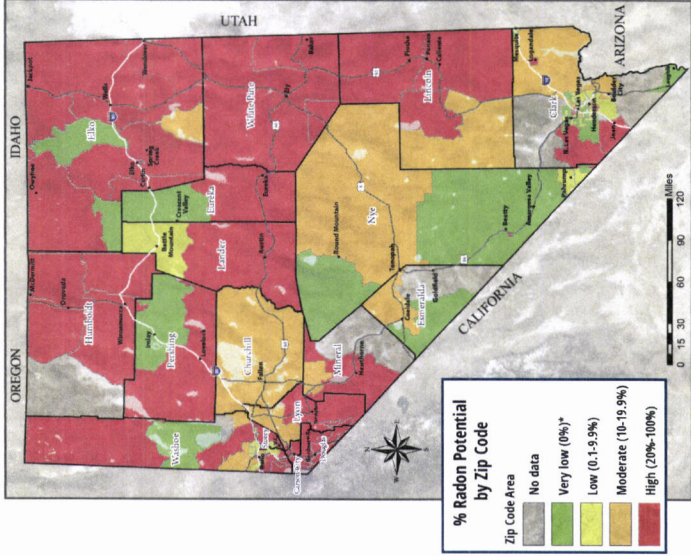
The system will draw out the harmful soil

gas and prevent it

from entering your

home.

Nevada Radon Results



Radon levels are highest in the western half of the state. Areas with the highest radon levels are in the western half of the state. Areas with the lowest radon levels are in the eastern half of the state. Areas with moderate radon levels are in the central part of the state. Areas with low radon levels are in the southern part of the state. Areas with very low radon levels are in the northern part of the state.

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

- Carson City County**
2621 Northgate Lane #15
Carson City 89706
Phone: 775-887-2252
- Churchill County**
111 Sheckler Road
Fallon 89406
Phone: 775-423-5121
- Clark County**
8050 Paradise Rd., #100
Las Vegas 89123
Phone: 702-222-3130
 - **Henderson City Hall**
City Clerk Information Desk 240 S. Water St.
Henderson 89015
Call: 702-267-1400
 - **Northeast Clark County**
1897 N. Moapa Valley Blvd.
Logandale 89021
Call: 702-397-2604
 - **NE Clark County Satellite**
155 N. Willow Ste. 20,
Mesquite 89027
- Laughlin office**
55 Civic Way, Laughlin
Call ahead: 702-299-1333
- Douglas County**
1325 Waterloo
Gardnerville 89410
Phone: 775-782-9960
- TRPA**
128 Market Street
Stateline 89449
Phone: 775-588-4547
- Genoa Town Office**
2289 Main St., Genoa
Phone: 775-782-8696
- Gardnerville Ranchos GID**
931 Mitch Dr., Gardnerville
Phone: 775-265-2048
- Elko County**
701 Walnut Street
Elko 89801-5032
Call ahead: 775-738-7291
- West Wendover City Hall**
1111 N. Gene L. Jones Way
W Wendover 89883
Phone: 775-664-3081
- Eureka County**
701 S. Main St., Eureka 89316
Call ahead: 775-237-5326
- Humboldt County**
1085 Fairgrounds Road
Winnemucca 89445
Call ahead: 775-289-4459
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Central Lyon County**
Fire District, 246 Dayton Valley Rd., Ste 106 Dayton
Phone: 775-246-6209
- Mineral County**
205 South A Street
Hawthorne 89415
Call ahead: 775-945-3444
- Nye County**
• **Tonopah Town Office**
140 S. Main St.
Phone: 775-482-6336
- Pershing County**
810 Sixth St., Lovelock 89419
Call ahead: 775-273-2923
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**
100 Mill Street, Virginia City
Call: 775-847-0957
- Lockwood Senior/Community Center**
800 Peri Ranch Road
Lockwood 89434
Phone: 775-342-2840
- Washoe County**
4955 Energy Way
Reno 89502
Phone: 775-336-0252
- Sun Valley GID**
5000 Sun Valley Blvd.
Phone: 775-673-2220
- Incline Village Rec Ctr**
908 Incline Way, Incline Village, 775-832-1300
- White Pine County**
950 Campton Street, Ely
Call ahead: 775-289-4459
- Storey County**
• **Storey County Senior Center**

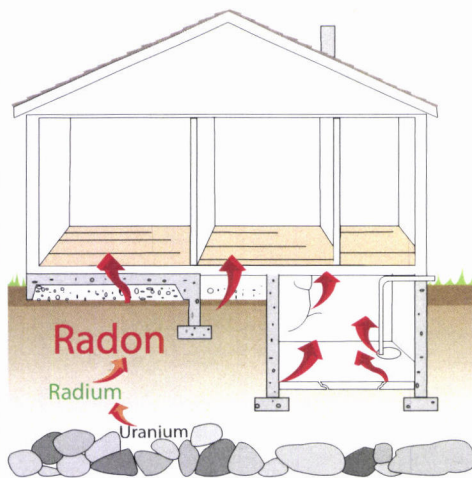


Learn about **RADON** in Elko County

FREE **RADON** EDUCATION PRESENTATIONS

TUESDAY, FEB. 12, 6 P.M.
Elko County Library
720 Court St., Elko

WEDNESDAY, FEB. 13, 5:30 P.M.
Carlin Library
330 Memory Lane, Carlin



- ◆ Learn how to test for **RADON**
- ◆ Learn how homes can be fixed
- ◆ Get a FREE **RADON** test kit

FREE RADON TEST KITS

Jan. 1 to Feb. 28

ELKO COUNTY COOPERATIVE EXTENSION
701 Walnut St., Elko
Call ahead for office hours: 775-738-7291

CITY OF WEST WENDOVER CITY HALL
1111 N. Gene L. Jones Way, West Wendover
775-664-3081
(M-F, 8 a.m. to 5 p.m. MST)

RADON is a naturally occurring radioactive gas that can seep into your home from the ground, increasing your risk for **LUNG CANCER**.

FOR MORE INFORMATION
call **888-RADON10** (888-723-6610)
or visit www.RadonNV.com

 Visit @NevadaRadonEducation
 Follow @NVRadonProgram



Nevada
Radon
Education Program



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.

cut into the slab and a schedule 40 PVC piping system is installed to vent the gas out and away from the house.

When properly applied, a **submembrane suction** system in crawlspace homes is the most effective way to reduce radon levels. It involves covering the earth floor with a high-density, non-permeable polyethylene sheeting, adhering it to stemwalls, sealing seams and penetrations, and using a vent pipe and fan to draw radon from under the sheet, venting it outdoors.

In addition to the foundation type, considerations also include the level of radon concentration found, the condition and design of the home and other factors. The contractor should perform diagnostic tests to help determine the best system.

**Protect your family and your investment...
Consider radon before you buy, sell or build!**

Estimates of installation and operating costs
Cost estimates for radon mitigation in Nevada depend upon the size and design of the home, fan and pipe location, the type of material used and which radon reduction methods are needed. It is wise to get more than one estimate, and ask for and contact references. Self-installation is another alternative. A publication is available at public libraries or by calling the Radon hotline.

- Average basement or slab installation: \$2,500
- Average crawlspace system installation: \$3,800
- Expected life span of fan: about 11 years (usually has a 5-year warranty)
- Fan replacement cost: \$300-\$450
- Periodic maintenance: periodically check gauges
- A radon fan generally uses less energy than a 100 watt lightbulb.

Radon pointers:

- Homes with an elevated radon level can be reliably reduced to less than 4 pCi/l.
- Some systems can be installed in one day.
- Choose a certified/qualified radon mitigator who has a Nevada State Contractor's license. www.nvcontractorsboard.com
- A Radon mitigation system needs to operate 24 hours before retesting.
- An elevated radon level can be found in any home, regardless of its age or type of foundation.
- Although more and more builders are installing radon reduction systems, don't assume that a new home has one.

Educational reading material for home buyers and sellers:

- EPA's *Home Buyer's and Seller's Guide to Radon*
- EPA's *Consumers' Guide to Radon Reduction -- How to Reduce Radon Levels in Your Home*
- Find certified/qualified radon measurement or mitigation professionals: www.RadonNV.com

Resource List

- **Nevada Radon Education Program**
Radon hotline: 888-RADON10 (888-723-6610)
University of Nevada Cooperative Extension
4955 Energy Way, Reno, NV 89502
www.RadonNV.com
An EEO/AA Institution
- **AARST-NEHA: aarst-nrpp.com**
- **NRSB website: www.nrsb.org**
- **EPA Radon website: www.epa.gov/radon**
- **Radiation Control Program**

Nevada Division of Public and Behavioral Health, 675 Fairview Dr., Ste. 218
Carson City, NV 89701 775-687-7550

Rev. 12-14-16

This publication was supported by the Nevada Division of Public and Behavioral Health through Grant Number K1-96963517-0 from the U.S. Environmental Protection Agency. Its contents are solely the responsibility of the authors and do not represent the official views of the Nevada Division of Public and Behavioral Health nor the U.S. Environmental Protection Agency.

Radon Gas and Real Estate Transactions



While Nevada currently has no laws that address radon, the Environmental Law Institute's Database of State Indoor Air Quality Laws lists 40 states that do. In Nevada, the Residential Disclosure Guide, Seller's Real Property Disclosure Form, HUD and FHA forms all include radon gas disclosure as an environmental hazard.

Informed buyers and sellers are testing for radon concentration levels before and during the real estate transaction process. Current mitigation technology successfully reduces radon concentrations inside homes, lowering the health risk of lung cancer caused by radon.

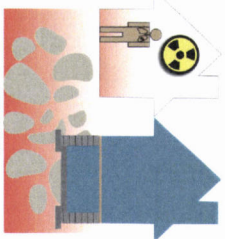
Listing or buying? Get educated, test and understand mitigation solutions if testing calls for it.

RADON CAN BE REDUCED THROUGH MITIGATION!

NevadaRadonEducation Program

Radon – What is it?

Radon is an invisible, cancer-causing radioactive gas created from *natural* deposits of uranium in the soil, rocks and water. Radon gas can be drawn into a building and accumulate to concentrations that can cause a health risk. Finding elevated levels of radon in the home has nothing to do with the age, quality or upkeep of the home.



- **Radon is the primary cause of lung cancer among nonsmokers, and the 2nd leading cause for smokers.** The U.S. EPA estimates 21,000 radon-caused lung cancer deaths occur annually in the U.S.

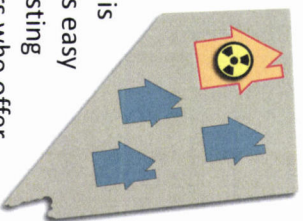
- ***According to experts, living in a home with an average radon level of 4 pCi/l poses a similar risk of developing lung cancer as smoking about half a pack of cigarettes a day!***

- The U.S. Surgeon General, EPA and the Nevada Division of Public and Behavioral Health recommend all homes be tested for radon.

How prevalent is Radon in Nevada?

Radon test results indicate that one in four Nevada homes tested have elevated radon concentrations. The only way to tell if a home has elevated radon concentrations is to have the home tested. This is easy to do and there are certified testing companies and home inspectors who offer radon measurement services. Qualified professional testers can be found through the following websites:

- University of Nevada Cooperative Extension – Nevada Radon Education Program www.RadonNV.com
- American Association of Radon Scientists and Technologists- National Radon Proficiency Program (AARST-NRPP) – <http://aarst-nrpp.com>
- National Radon Safety Board (NRSB) – www.nrsb.org



Radon is found in homes all over the United States, and in fact, all over the world!

EPA estimates nearly 1 out of every 15 homes in the United States has elevated radon levels. While homes with elevated levels can be more common in some areas of the country than others, any home with contact to the ground can be affected. Crawlspace, basement or slab foundations all have the potential for having elevated radon levels. Two neighboring homes can have totally different radon levels.

Testing is the only way to find out your home's radon level.

A neighbor's test result or results-based maps cannot determine the level in any home. For real estate transactions, using unbiased, certified radon measurement professionals can ensure testing is done to protocol. Professionals using a continuous radon monitor can complete testing in 48 hours, thereby providing timely test results.

EPA recommends you know the indoor radon level in any home you consider buying.

Many informed buyers and relocation companies have homes tested for radon before a home purchase, similar to inspecting a home for termites and building defects. If elevated radon levels are found, the buyer and seller should discuss the timing and cost of radon reduction.

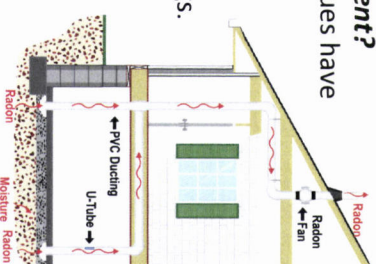


Many Realtors counsel their home sellers to test their home for radon and take steps to fix it, if needed, before placing the house on the market. This advice helps avoid last minute rushes or delays. Because people are most likely to get their greatest radiation exposure at home, a radon system helps to reduce the lung cancer health risk for the current home's inhabitants as well as the future residents of the home. And radon systems also offer improved air quality.

What if elevated Radon concentrations are present?

Radon mitigation techniques have been developed that effectively reduce and control radon concentrations in buildings.

Finding or selling a home with a radon system already installed is a marketing plus! Having one installed reduces radon concentrations, improves indoor air quality and will enhance future resale value.



Of the issues that a house may have, Radon is one of the easiest to identify and mitigate!

Similar to water drainage concerns that can be fixed with a sump, or a leaky roof that can be repaired, a radon system can be installed to reduce radon concentrations. A radon system draws radon and other soil gases from beneath the home and exhausts them outside and above the roof level and away from inhabitants.

In fact, it has been shown that radon mitigation systems have additional benefits beyond reducing radon, such as reducing molds and mildews, to which some people are allergic.

Radon mitigation techniques

Your home type, categorized according to foundation design, will determine the kind of radon-reduction system that will work best. Homes with more than one foundation type may require a combination of reduction techniques.

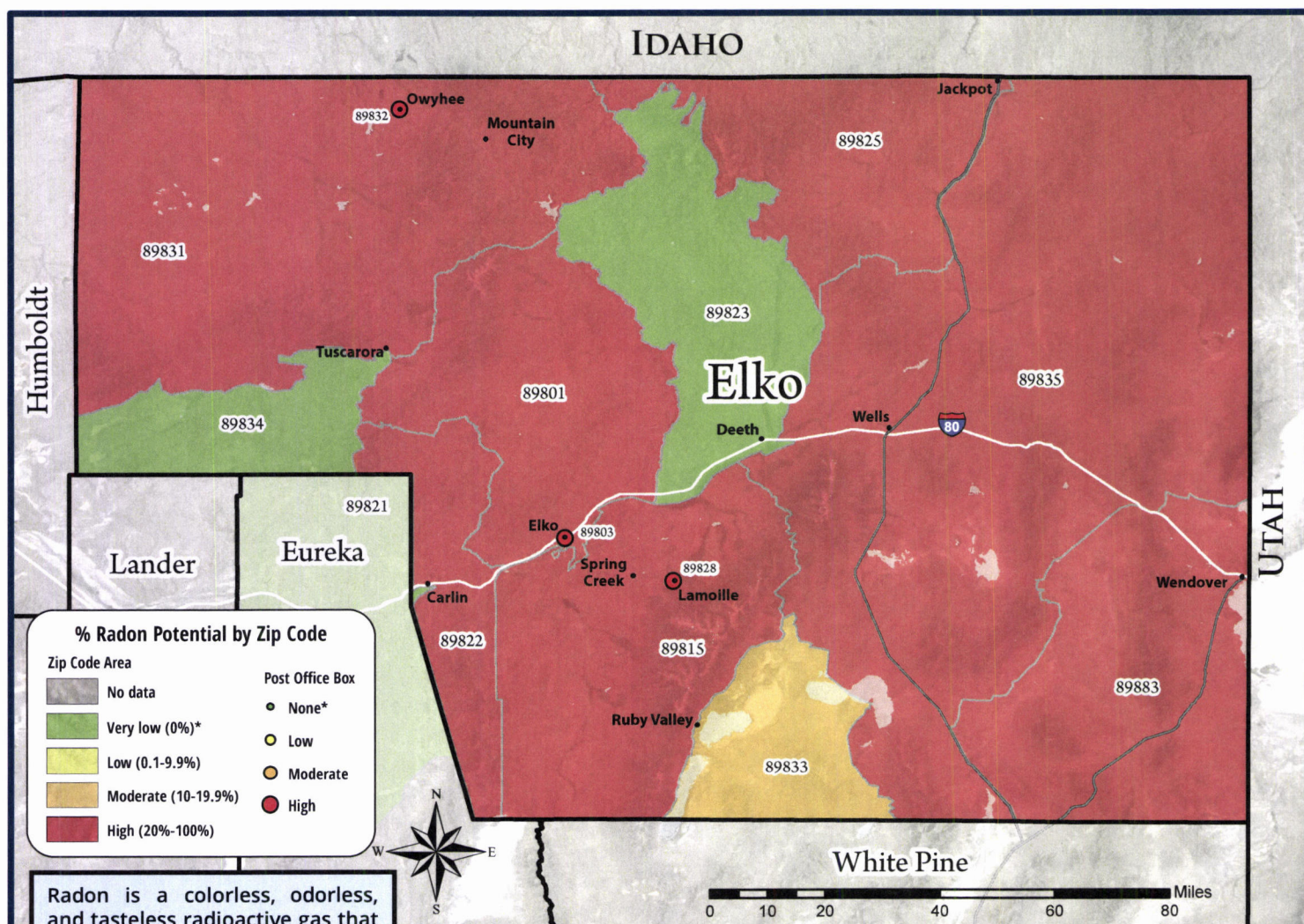
Mitigation techniques include **soil depressurization**, which creates a vacuum beneath a slab or polyethylene sheeting and collects the radon before it enters a building, then exhausts it away from the building. For slab and basement foundations, subslab depressurization systems are installed. A hole is



University of Nevada
Cooperative Extension

Elko County

Radon Potential by Zip Code



% Radon Potential by Zip Code

Zip Code Area	Post Office Box
No data	None*
Very low (0%)*	Low
Low (0.1-9.9%)	Moderate
Moderate (10-19.9%)	High
High (20%-100%)	

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.

Elko		Total Number of Tests				Range of radon levels in pCi/l						Radon Levels by pCi/l	
		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
89801	ELKO	190	129	61	32.1%	129	56	3	2	-	-	3.68	22.2
89803	P.O. Box Elko	2	-	2	100%*	-	1	1	-	-	-	7.75	10.0
89815	SPRING CREEK	143	89	54	37.8%	89	39	11	3	1	-	4.99	57.3
89822	CARLIN	11	8	3	27.3%	8	2	1	-	-	-	3.75	10.1
89823	DEETH	2	2	-	0%*	2	-	-	-	-	-	2.55	2.8
89825	JACKPOT	3	2	1	33.3%*	2	1	-	-	-	-	3.73	5.1
89828	P.O. Box Lamolille	9	6	3	33.3%*	6	3	-	-	-	-	3.26	8.4
89831	MOUNTAIN CITY	2	1	1	50.0%*	1	1	-	-	-	-	4.80	7.7
89832	P.O. Box Owyhee	2	1	1	50.0%*	1	1	-	-	-	-	2.95	4.3
89833	RUBY VALLEY	14	12	2	14.3%	12	-	1	1	-	-	4.79	30.6
89834	TUSCARORA	1	1	-	0%*	1	-	-	-	-	-	1.70	1.7
89835	WELLS	34	7	27	79.4%	7	13	8	6	-	-	10.47	33.8
89883	WEST WENDOVER	8	6	2	25.0%*	6	1	1	-	-	-	3.35	12.2
Totals		421	264	157	37.3%	264	118	26	12	1	-	4.71	
		% of Total Tests				63%	28%	6%	3%	0%	0%		

		Total Number of Tests				Range of radon levels in pCi/l						Radon Levels by pCi/l	
Map also includes zip codes from Neighborhood Counties		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
89821	CRESCENT VALLEY (Eureka)	6	6	-	0%*	6	-	-	-	-	-	1.83	3.9

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

Zip codes in Elko County with no data: 89802, 89826, 89830

**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 do not necessarily represent the official views of either the Division or the U.S. EPA.

Nevada
Radon
Education Program
www.RadonNV.com



Nevada Radon Education



@NVRadonProgram

BASIC RADON FACTS



University of Nevada
Cooperative Extension

Nevada Radon Education Program

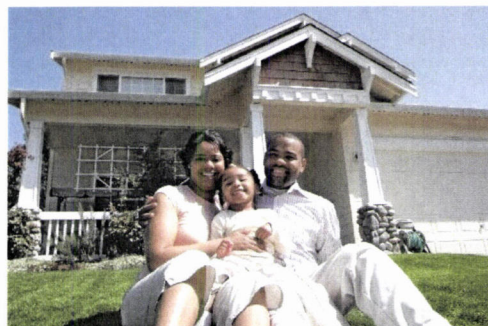
A FEDERALLY FUNDED PROGRAM THROUGH THE NEVADA DIVISION OF PUBLIC AND BEHAVIORAL HEALTH and THE U.S. ENVIRONMENTAL PROTECTION AGENCY

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/l 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 Cooperative Extension offices. Contact the Radon Hotline at 1-888-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

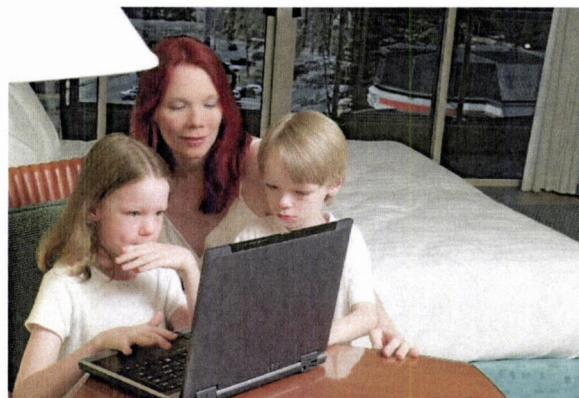
- Low-priced radon test kits are available at Cooperative Extension and partner offices statewide.
- Call 1-888-RADON10 to find the nearest test kit location or request a test kit by mail.
- Order a kit by mail using a coupon or credit card at <http://bit.ly/radontestkits>
- Visit the Radon in Nevada website for more information about radon

<http://www.RadonNV.com>

Elko County Cooperative Extension
701 Walnut St.
Elko, NV 89801
775-738-7291

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 Cooperative Extension office listed below or the state radon office, 1-888-RADON10 (1-888-723-6610), 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.

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:**
1-888-RADON10 or 1-888-723-6610

- ☐ **University of Nevada
Cooperative Extension**

4955 Energy Way, Reno, NV 89502
Susan Howe, Program Director: 775-336-0248 or
Nadia Noel, Radon Education Coordinator: 775-336-0252

- ☐ **Nevada Radon Education Program website:** www.RadonNV.com

**Nevada
Radon**
Education Program



University of Nevada
Cooperative Extension

The University of Nevada, Reno is an Equal Employment Opportunity/Affirmative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, sexual orientation, or genetic information, gender identity, or gender expression in any program or activity it operates. The University of Nevada employs only United States citizens and aliens lawfully authorized to work in the United States.



This publication was supported by the Nevada Division of Public and Behavioral Health through Grant Number K1-9693518-0 from the U.S. Environmental Protection Agency. Its contents are solely the responsibility of the authors and do not represent the official views of the Nevada Division of Public and Behavioral Health nor the U.S. Environmental Protection Agency.

*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!*

www.RadonNV.com or www.epa.gov/radon



504 Home Repair Program

USDA Rural Development provides home repair loans and grants in rural areas for the following purposes:

- Assist in deepening wells/ drilling new wells, sewage connection fees.
- Make general repairs and improvements to homes.
- Install new heating/cooling units, roof repair.
- Install new water heaters (or convert to/from propane).
- Remove health and safety hazards (includes radon mitigation)
- Repair or remodel homes to provide accessibility for household members with disabilities.



Terms:

- \$20,000 maximum loan amount.
- Applicant must be 62 years old or older for Grant Loan.
- No lien on home for Grant Loan under \$7,500.
- Interest rate can be low as 1% annually.
- Loan terms based on borrower's repayment ability, not to exceed 20 year term.

Eligibility Requirements:

- Must be owner-occupied home and land.
- Must be located in eligible rural area.
(see map www.rd.usda.gov/nv)
- Must be a U.S. citizen or eligible non-citizen.
- Adjusted income cannot exceed very-low income limits — see table.
- Must have an acceptable credit history for loan approval.



Homeowners who are 62 years old or older and do not have repayment ability for a 504 home repair loan may be eligible for a grant of up to \$7,500.

For more information please contact:

USDA Rural Development
7080 La Cienega Street # 100
Las Vegas, NV 89119
Michele Joe (702) 407-1400 Ext. 112
Email: michele.joe@nv.usda.gov

USDA Rural Development
555 W. Silver Street Ste. 101
ELKO, NV 89801
Maria Murillo (775) 738-8468 Ext. 4
Email: maria.murillo@nv.usda.gov



This institution is an equal opportunity provider and employer.

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form, found online at http://www.ascr.usda.gov/complaint_filing_cust.html, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.



Rural Housing Service Programs

Single Family Housing Repair Loans & Grants

What does this program do?

Also known as the Section 504 Home Repair program, this provides loans to very-low-income homeowners to repair, improve, or modernize their homes or provides grants to elderly very-low-income homeowners to remove health and safety hazards.

Who may apply for this program?

To qualify, you must:

- Be the homeowner and occupy the house
- Be unable to obtain affordable credit elsewhere
- Have a family income below 50 percent of the area median income
- For grants, be age 62 or older and not be able to repay a repair loan

What is an eligible area?

Generally, rural areas with a population less than 35,000 are eligible. Applicants may [check the address](#) of their home to determine eligibility online.

How may funds be used?

- Loans may be used to repair, improve, or modernize homes or to remove health and safety hazards.
- Grants must be used to remove health and safety hazards.

How much money can I get?

- Maximum loan is \$20,000.
- Maximum grant is \$7,500.

- Loans and grants can be combined for up to \$27,500 in assistance.

What are the terms of the loan or grant?

- Loans can be repaid over 20 years
- Loan interest rate is fixed at 1%.
- Full title service is required for loans of \$7,500 or more
- Grants have a lifetime limit of \$7,500.
- Grants must be repaid if the property is sold in less than 3 years
- If applicants can repay part, but not all of the costs, applicants may be offered a loan and grant combination

Is there a deadline to apply?

Applications are available year round as long as funding is available, and are processed in the order they are received.

How long does an application take?

Approval times depend on funding availability in your area. Talk to a [USDA home loan specialist](#) in your area for help with the application.

How do I get started?

Contact a [USDA home loan specialist](#) in your area.

What law governs this program?

- The Housing Act of 1949 as amended, [7 CFR, Part 3550](#)
- [HB-1-3550](#) - Direct Single Family Housing Loans and Grants Field Office Handbook

NOTE: Because citations and other information may be subject to change, please always consult the program instructions listed in the section above titled "What Law Governs this Program?" You may also contact [your local office](#) for assistance.

You will find additional forms, resources, and program information at www.rd.usda.gov

HB - 1 -3550, APPENDIX 9
STATE:NEVADA

----- A D J U S T E D I N C O M E L I M I T S -----

P R O G R A M 1 PERSON 2 PERSON 3 PERSON 4 PERSON 5 PERSON 6 PERSON 7 PERSON 8 PERSON*

Carson City, NV MSA

GRANT INCOME 14750 16850 18950 21050 22750 24400 26100 27800
VERY LOW INCOME 24550 28050 31550 35050 37900 40700 43500 46300
LOW INCOME 39250 44900 50500 56100 60600 65100 69550 74050
MODERATE INCOME 44750 50400 56000 61600 66100 70600 75050 79550
38 YEAR TERM 29450 33650 37850 42050 45500 48850 52200 55550

Las Vegas-Henderson-Paradise, NV MSA

GRANT INCOME 14750 16850 18950 21050 22750 24400 26100 27800
VERY LOW INCOME 24550 28050 31550 35050 37900 40700 43500 46300
LOW INCOME 39250 44900 50500 56100 60600 65100 69550 74050
MODERATE INCOME 44750 50400 56000 61600 66100 70600 75050 79550
38 YEAR TERM 29450 33650 37850 42050 45500 48850 52200 55550

Reno, NV MSA

GRANT INCOME 15450 17650 19850 22050 23800 25600 27350 29150
VERY LOW INCOME 25750 29400 33100 36750 39700 42650 45600 48550
LOW INCOME 41150 47050 52900 58800 63500 68200 72900 77600
MODERATE INCOME 46650 52550 58400 64300 69000 73700 78400 83100
38 YEAR TERM 30900 35300 39700 44100 47650 51200 54700 58250

Churchill County, NV

GRANT INCOME 14750 16850 18950 21050 22750 24400 26100 27800
VERY LOW INCOME 24550 28050 31550 35050 37900 40700 43500 46300
LOW INCOME 39250 44900 50500 56100 60600 65100 69550 74050
MODERATE INCOME 44750 50400 56000 61600 66100 70600 75050 79550
38 YEAR TERM 29450 33650 37850 42050 45500 48850 52200 55550

Douglas County, NV

GRANT INCOME 16450 18800 21100 23450 25350 27250 29100 31000
VERY LOW INCOME 27400 31300 35200 39100 42250 45400 48500 51650
LOW INCOME 43800 50050 56300 62550 67550 72550 77550 82550
MODERATE INCOME 49300 55550 61800 68050 73050 78050 83050 88050
38 YEAR TERM 32900 37550 42250 46900 50700 54500 58200 62000

Elko County, NV

GRANT INCOME 17500 20000 22500 25000 27000 29000 31000 33000
VERY LOW INCOME 29200 33350 37500 41650 45000 48350 51650 55000
LOW INCOME 46650 53300 60000 66650 72000 77300 82650 88000
MODERATE INCOME 52150 58800 65500 72150 77500 82800 88150 93500
38 YEAR TERM 35050 40000 45000 50000 54000 58000 62000 66000

* ADD 8% OF 4 PERSON LIMIT FOR EACH PERSON IN EXCESS OF 8 EXCEPT FOR MODERATE INCOME FAMILIES,
FOR WHICH \$5500 SHOULD BE ADDED TO THE RESPECTIVE LOW-INCOME LIMIT FOR 8+ PERSON FAMILIES

----- A D J U S T E D I N C O M E L I M I T S -----

P R O G R A M	1 PERSON	2 PERSON	3 PERSON	4 PERSON	5 PERSON	6 PERSON	7 PERSON	8 PERSON*
Esmeralda County, NV								
GRANT INCOME	14750	16850	18950	21050	22750	24400	26100	27800
VERY LOW INCOME	24550	28050	31550	35050	37900	40700	43500	46300
LOW INCOME	39250	44900	50500	56100	60600	65100	69550	74050
MODERATE INCOME	44750	50400	56000	61600	66100	70600	75050	79550
38 YEAR TERM	29450	33650	37850	42050	45500	48850	52200	55550
Eureka County, NV								
GRANT INCOME	18400	21050	23700	26300	28450	30550	32650	34750
VERY LOW INCOME	30700	35100	39500	43850	47400	50900	54400	57900
LOW INCOME	49100	56100	63150	70150	75750	81350	87000	92600
MODERATE INCOME	54600	61600	68650	75650	81250	86850	92500	98100
38 YEAR TERM	44050	50350	56650	62950	68000	73000	78050	83100
Humboldt County, NV								
GRANT INCOME	16150	18500	20800	23050	24950	26800	28600	30500
VERY LOW INCOME	26950	30800	34650	38450	41550	44650	47700	50800
LOW INCOME	43050	49200	55350	61500	66400	71350	76250	81200
MODERATE INCOME	48550	54700	60850	67000	71900	76850	81750	86700
38 YEAR TERM	32350	36950	41600	46150	49850	53600	57250	60950
Lander County, NV								
GRANT INCOME	17350	19850	22350	24800	26800	28800	30800	32750
VERY LOW INCOME	28950	33100	37250	41350	44700	48000	51300	54600
LOW INCOME	46300	52900	59550	66150	71450	76750	82050	87300
MODERATE INCOME	51800	58400	65050	71650	76950	82250	87550	92800
38 YEAR TERM	34750	39700	44700	49600	53650	57600	61550	65500
Lincoln County, NV								
GRANT INCOME	14750	16850	18950	21050	22750	24400	26100	27800
VERY LOW INCOME	24550	28050	31550	35050	37900	40700	43500	46300
LOW INCOME	39250	44900	50500	56100	60600	65100	69550	74050
MODERATE INCOME	44750	50400	56000	61600	66100	70600	75050	79550
38 YEAR TERM	29450	33650	37850	42050	45500	48850	52200	55550
Lyon County, NV								
GRANT INCOME	14750	16850	18950	21050	22750	24400	26100	27800
VERY LOW INCOME	24550	28050	31550	35050	37900	40700	43500	46300
LOW INCOME	39250	44900	50500	56100	60600	65100	69550	74050
MODERATE INCOME	44750	50400	56000	61600	66100	70600	75050	79550
38 YEAR TERM	29450	33650	37850	42050	45500	48850	52200	55550

* ADD 8% OF 4 PERSON LIMIT FOR EACH PERSON IN EXCESS OF 8 EXCEPT FOR MODERATE INCOME FAMILIES,
FOR WHICH \$5500 SHOULD BE ADDED TO THE RESPECTIVE LOW-INCOME LIMIT FOR 8+ PERSON FAMILIES

Return to top

----- A D J U S T E D I N C O M E L I M I T S -----

P R O G R A M	1 PERSON	2 PERSON	3 PERSON	4 PERSON	5 PERSON	6 PERSON	7 PERSON	8 PERSON*
Mineral County, NV								
GRANT INCOME	14750	16850	18950	21050	22750	24400	26100	27800
VERY LOW INCOME	24550	28050	31550	35050	37900	40700	43500	46300
LOW INCOME	39250	44900	50500	56100	60600	65100	69550	74050
MODERATE INCOME	44750	50400	56000	61600	66100	70600	75050	79550
38 YEAR TERM	29450	33650	37850	42050	45500	48850	52200	55550
Nye County, NV								
GRANT INCOME	14750	16850	18950	21050	22750	24400	26100	27800
VERY LOW INCOME	24550	28050	31550	35050	37900	40700	43500	46300
LOW INCOME	39250	44900	50500	56100	60600	65100	69550	74050
MODERATE INCOME	44750	50400	56000	61600	66100	70600	75050	79550
38 YEAR TERM	29450	33650	37850	42050	45500	48850	52200	55550
Pershing County, NV								
GRANT INCOME	14750	16850	18950	21050	22750	24400	26100	27800
VERY LOW INCOME	24550	28050	31550	35050	37900	40700	43500	46300
LOW INCOME	39250	44900	50500	56100	60600	65100	69550	74050
MODERATE INCOME	44750	50400	56000	61600	66100	70600	75050	79550
38 YEAR TERM	29450	33650	37850	42050	45500	48850	52200	55550
White Pine County, NV								
GRANT INCOME	15100	17300	19450	21550	23300	25050	26750	28500
VERY LOW INCOME	25200	28800	32400	35950	38850	41750	44600	47500
LOW INCOME	40250	46000	51750	57500	62100	66700	71300	75900
MODERATE INCOME	45750	51500	57250	63000	67600	72200	76800	81400
38 YEAR TERM	30300	34600	38950	43250	46700	50150	53650	57100

* ADD 8% OF 4 PERSON LIMIT FOR EACH PERSON IN EXCESS OF 8 EXCEPT FOR MODERATE INCOME FAMILIES,
FOR WHICH \$5500 SHOULD BE ADDED TO THE RESPECTIVE LOW-INCOME LIMIT FOR 8+ PERSON FAMILIES



University of Nevada
Cooperative Extension

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

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

Volume 11 - Number 3 - FY 2018 January through March 2018

Inside this Report	Page
Sun City Anthem program	1
Radon Poster Contest	1
Radon outreach projects	1
Free kit tabling events	2
2018 NRAM efforts	3
34 January Proclamations	4
42 NRAM opportunities	6
Test kit distribution data	8
Radon in the News	9
Radon on the Internet	11
Radon in Newsletters	13
Comparing Radon Impacts	15
Radon on Social Media	16
Program numbers	17
Program test results	18

Sun City Anthem residents learn about radon

On Monday, Jan. 29, the Nevada Radon Education Program (NREP) staff, Nadia Noel and Susan Howe, and Bob Knauff, a Las Vegas area certified radon measurement specialist, offered an hour-long presentation to 170 Sun City Anthem (SCA) residents. After several years of requesting to speak to the retirement community, SCA staff welcomed NREP's request to come and present.



Nadia Noel and Susan Howe presented to about 170 Sun City Anthem residents Jan. 29.

The lecture was well received by the residents, with many questions asked. All of the reading material NREP placed on the tables was taken. Noel spoke on the health risk of radon, Knauff discussed the procedure for professional radon measurement and Howe explained general measurement, mitigation and radon control methods for new home construction.

More than 135 short-term radon test kits were

received by the SCA residents and 63 or 45.7 percent of the devices were utilized by the end of March.

"It was gratifying to speak to so many residents who listened to all of the information we provided," Susan Howe, program director, said. "For years, many of the residents asked us to present our program, and we were happy that management finally provided the opportunity and welcomed our request."

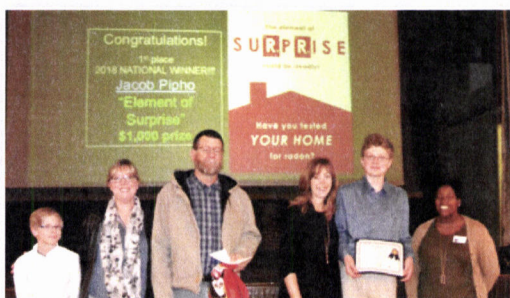
During the past three years, about one-third of the homes that were tested in SCA zip codes 89052 and 89044 had elevated radon levels. The home

» continued, See SUN CITY ANTHEM, Page 3

Nevada's top poster wins national poster contest

Jacob Pipho, an eighth-grader at Carson Valley Middle School in Gardnerville, won first place in the 2018 Nevada Radon Poster Contest with his poster, "Element of Surprise." Pipho's poster also placed first in the National Radon Poster Contest!

Nadia Noel presented Pipho with Nevada contest prizes at an award ceremony on Feb. 8 at the CVIC Hall in Minden. Nevada Radon Education Program (NREP) prizes included a radon gift bag, a Radon Eye+ radon detector donated by FT Lab, a check for \$75 and certificate. He also received, by mail, a check for \$1,000 for the first place national award from the American Lung Association and Conference of Radiation Control Program Directors (CRCPD). Lin Falkner,



Jacob Pipho and his family and teacher, Lin Falkner, attended NREP's Feb. 8 radon presentation at the CVIC in Minden. Pipho received first place prize winnings for his poster, "Element of Surprise."

Pipho's teacher, was also provided a \$50 check for classroom supplies and a radon gift bag.

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).

» continued, See POSTER CONTEST, Page 2

NREP reaches HOAs, & tries Nextdoor app

The Nevada Radon Education Program (NREP) tried two new outreach projects during the 2018 National Radon Action Month. The first project involved reaching out to home owner associations (HOAs) in five high radon potential counties.

NREP sent letters to 429 HOA management companies in Clark, Washoe, Carson, Douglas and Elko counties. Each of these organizations supervises anywhere from a few to hundreds of HOAs.

NREP provided information on the radon health risk, radon potential and data for each county, radon potential zip code maps and kit locations for residents to obtain free radon test kits. From information collected with test kit distribution receipts, at least 16 HOAs shared the information with their members and at least 66 members responded by requesting a kit. From information collected with test kit results, at least 76 tests were completed with the HOA noted as a motivational reason.

A second outreach project was to share free

» continued, See NEXTDOOR, Page 18

Free radon test kits offered at Renown, NNMC and UNR

During the quarter, the Nevada Radon Education Program (NREP) was invited to table at two hospital events and one University of Nevada - Reno (UNR) open house event. NREP tabled at Renown Hospital in Reno, Northern Nevada Medical Center (NNMC) in Sparks and the Staff Employee's Council (SEC) Open House at UNR. Each event offered the opportunity for patrons or employees to acquire free radon test devices and information about radon.

The radon table at the Northern Nevada Medical Center Health Fair Event took place Jan. 4, in Sparks, from 7 a.m. to 10 a.m. About 37 radon test kits were given out to attendees, and NREP talked to at least 58 people. Health fair attendees had the opportunity to learn about the radioactive gas, organ donation, NNMC departments and gastrointestinal resources while they waited to get bloodwork done.

NREP was asked by Renown staff to table on Jan. 19 from 8 a.m. to 11:30 a.m. in front of the Starbucks at the hospital. NREP talked to about 152 people and about 149 kits were given out during the event. To alert employees and visitors, Renown advertised with signage around the hospital and an internal email to the employees. By the end of the quarter, 27.5 percent or 41 of the devices were used.

After a four-year hiatus, NREP once again gave out test devices at the SEC Open House event on Mar. 21. The program was among dozens of vendors at the event for University of Nevada Reno (UNR) employees. NREP provided 100 test kits and talked to about 168 individuals.



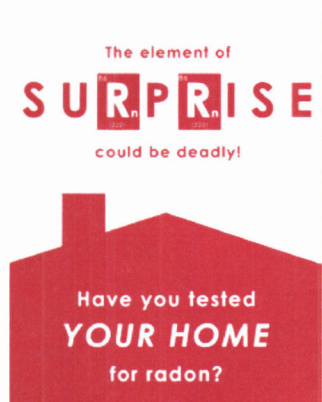
Nadia Noel explained testing procedures to a group of Renown Health visitors.



Susan Howe explains the testing procedures and Noel assists online receipt entry with an Open House attendee.

Poster Contest

Continued from Page 1



Jacob Piphos "Element of Surprise" poster won both the Nevada Radon Poster Contest and the National Radon Poster Contest.



Amaya Wilson won second place honors for her poster, "Radon is Deadly."



On Feb. 3 at the Fernley City Council meeting, Nadia Noel (left) presented Amaya Wilson with second place award winnings. Wilson's art teacher, Meghan Holmes (at right), also received winnings as a result of Amaya's efforts.

NREP conducts the contest each year to teach students and their families about the health risk of radioactive gas and to inspire Nevadans to determine the level of the gas in their homes. Children ages 9-14 are eligible to take part. This is the ninth year that NREP has held the contest and 131 students entered

posters in this year's contest.

The national contest is held each year to increase awareness about the radioactive gas. Nevada was one of nine state radon programs that submitted their top 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. Voting results were combined with the judging committee's choices, resulting in a second place winner from Florida and a third place winner from Iowa.

Nevada's second place winner, Amaya Wilson, an eighth-grader at Silverland Middle School in Fernley, created a poster titled "Radon is Deadly." Wilson was recognized for her accomplishments at the Fernley City Council Meeting on Jan. 3, where she was presented with a radon gift bag, Radon Eye+ detector, and an award certificate. She later received a check for \$60. In addition, her teacher, Meghan Holmes, was awarded a radon gift bag and \$35 to use for classroom

supplies.

Audrey Ruckman, an eighth-grader who is also from Carson Valley Middle School, won third place in the Nevada Contest. Ruckman created a poster titled "Space Test" and won \$45, in addition to a Radon Eye+ detector, certificate and radon gift bag. She also won \$20 for her teacher, Michelle Norris, who donated the money back to NREP.

The Nevada poster contest entries were judged for content accuracy, reproducibility, originality and visual communication of the topic. After the top six were chosen from the 131 entries, voting took place over the course of 11 days by email and on social media. At least 63 votes were cast by email from Nevada's radon professionals, program partners, College of Agriculture, Biotechnology and Natural Resources (CABNR), and Cooperative Extension staff, and 181 "Likes" were tallied from members of the general public on NREP's Facebook page.

ONE SMALL TEST FOR YOU, ONE GIANT LEAP FOR YOUR SAFETY.



"Space Test" by Audrey Ruckman, an eighth-grader at Carson Valley Middle School in Gardnerville, was Nevada's 3rd place poster winner.

2018 National Radon Action Month activities & events

The Environmental Protection Agency (EPA) promotes National Radon Action Month (NRAM) activities each year across the nation, and NRAM happens in January because winter is the best time to test for the radioactive gas in a home or building. State radon programs are encouraged to maximize the number of events they offer to educate residents about the danger of the radioactive gas during the month of January.

In honor of NRAM, the Nevada Radon Education Program (NREP) offers free short-term test devices at University of Nevada Cooperative Extension and partner offices, as well as at lectures and tabling events during January and February. At least 6,175 people were reached directly through face-to-face contact, at presentations, tabling events, Cooperative Extension, partner offices and other local collaborations. The number of long-term and short-term test kits given out during the NRAM period was 3,088. From NREP's NRAM efforts this year, at least 1,005 homes were newly tested for the gas.

The success of this year's NRAM campaign can be credited to the preparation and partnership with new and consistent partners, as well as publicizing through radio, television, social media, newsprint and newsletters.

Planning for NRAM starts in October, when library speaking engagements are scheduled in Washoe and Clark counties, and new outreach ideas are developed. November is dedicated to requesting proclamations from governing bodies and determining advertising strategies.

A summary of Nevada's 2018 NRAM efforts follows:

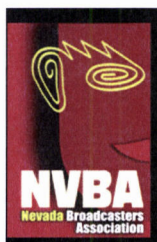
Advertising

TV and Radio advertising campaign

NREP's public information outreach starts with the support of the Nevada Broadcasters Association (NVBA). English and Spanish language 30-second radio and television public service announcements (PSAs) are broadcast across the state by NVBA from Jan. 1 to Feb. 28.

The 2018 media campaign resulted in 383 television and 2,814 radio spots all over the state. The total value of the ads was \$320,400, which is exponentially greater than what NREP paid.

"The Nevada Broadcasters Association has been a crucial part of our outreach campaign for the past six years. Without NVBA, fewer Nevadans would know about radon's health risk or test their home for the radioactive and cancer-causing gas," said Nadia Noel, NREP education coordinator.



Digital Billboards

The Nevada Radon Education Program asks businesses and public organizations to assist with publicizing free test kits during NRAM on their digital boards.

- The University of Nevada-Reno (UNR) showed a radon message on North Virginia Street in January and February. Nevada Department of Transportation (NDOT) estimates that 10,500 vehicles pass the sign every day. UNR also displays the message on televisions throughout the UNR Joe Crowley Student Union during Nevada's NRAM season.



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



Digital billboards at Pioneer Crossing in Fernley, Dayton and Yerington displayed radon messages. An estimated 10,500 vehicles pass the Fernley location, 1,700 vehicles pass the Dayton location, and 3,900 pass the Yerington location each day.

- Pioneer Crossing Casino has advertised free test devices on its billboards in Fernley, Dayton and Yerington since 2010. NDOT projects that 10,500 people drive by the Dayton billboard on East Main and U.S. Highway 50, 1,700 drive by the Fernley sign on 4 Pine Cone Road and U.S. Highway 50 East and 3,900 drive by the Yerington sign on 11 N. Main St.

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



City of Fernley reader board

- The Battle Mountain Civic Center, 625 S. Broad St., in Battle Mountain, advertised

free radon test kits on their outdoor board. An estimated 3,500 vehicles pass the area each day.



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 Carson and Gardnerville. The banner catches the attention of individuals who drive by it, resulting in more inquiries and reminders about testing homes for the radioactive gas.



The radon street banner was displayed in Gardnerville Feb. 5 to Feb. 11, on US 395 South.

This is the eighth year NREP has used the banner in Gardnerville, and the seventh year in Carson City.

The street banner was displayed from Jan. 15 to 21 on Carson Street, north of Proctor where an estimated 16,500 vehicles travel past



The radon street banner was displayed in Carson City Jan. 15-21.

» continued, See NRAM, Page 10

Sun City Anthem

Continued from Page 1

with the highest level in Clark County, 70 pCi/l, in Clark County, was found during the 2017 NRAM period in the 89052 zip code. During the first six months of 2017, 690 test kits were requested from SCA residents. With about 52 percent of the kits used, 322 homes were tested in SCA area homes. Out of those tests, 300 were valid results and at least 95 homes or 31.67 percent had elevated levels. These statistics had SCA administrators and residents concerned.

SCA provided a half-page advertisement space in their monthly Spirit magazine and also advertised the upcoming event on their digital TV boards during January. (See SCA newsletter in the Radon in Newsletters Page 13.)

Nevada receives record 34 action month proclamations

The Nevada Radon Education Program (NREP) accepted 34 proclamations or resolutions in honor of National Radon Action Month (NRAM) this year, the largest number the organization has received since the program's birth. The declarations came from Governor Sandoval, 13 county commissioner boards (Churchill, Douglas, Elko, Esmeralda, Humboldt, Lander, Lyon, Mineral, Nye, Pershing, Storey, Washoe and White Pine), 12 cities (Boulder, Carlin, Fernley, Lovelock, Mesquite, Henderson, West Wendover, Las Vegas, North Las Vegas, Reno and Sparks), three towns (Gardnerville, Genoa and Minden), three

general improvement districts (Sun Valley, Incline Village and Gardnerville Ranchos), and three Boards (Washoe County Health District, Carson City Board of Supervisors, and Nevada Association of Counties).

There were nine new proclamations/resolutions received this year: Carlin, Esmeralda, Lovelock, Mesquite, West Wendover, Gardnerville, Genoa, Minden and Gardnerville Ranchos.

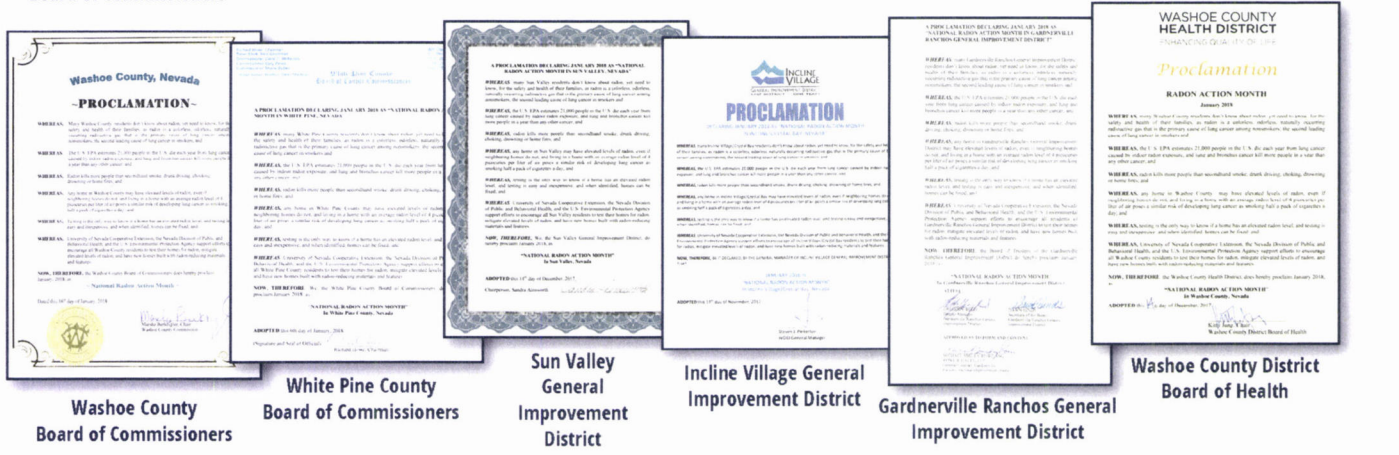
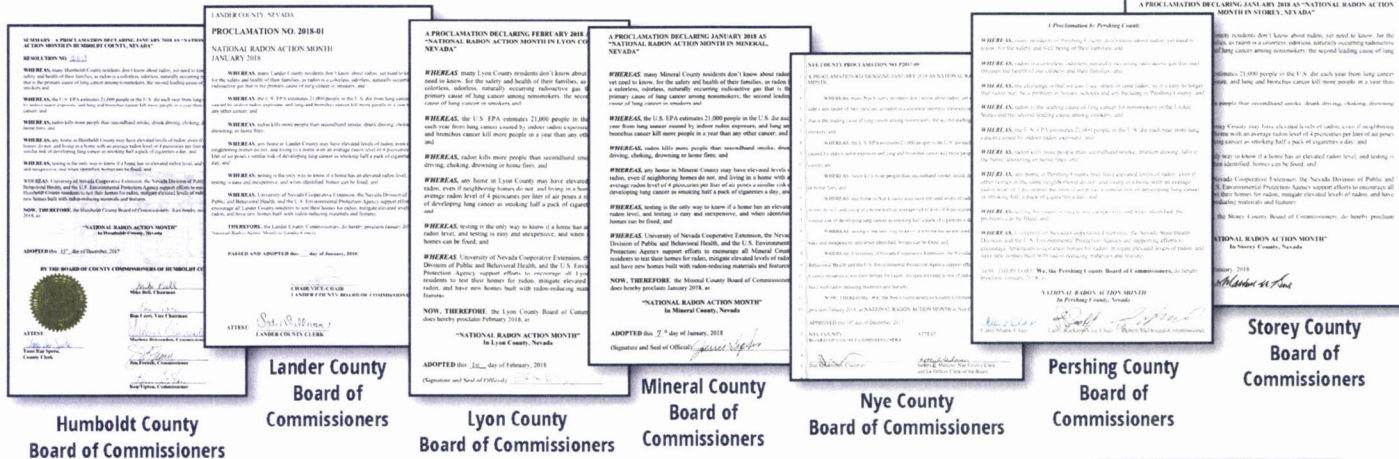
This was the 10th year that NREP obtained annual proclamations from the State of Nevada, Carson City, Churchill, Douglas, Reno and Sun Valley General Improvement District!

When possible, NREP staff or county partners attend board meetings to accept proclamations as well as share pertinent information explaining why a proclamation is necessary for their county or location.

- Susan Howe accepted the Washoe County Health District decree on Dec. 14.
- Howe received the Sun Valley General Improvement District declaration on Dec. 14.
- Juan Carlos Cervantes, White Pine County Extension Educator, accepted the White Pine County Commissioners' proclamation on Jan. 6.

» continued, See Proclamations, Page 17





Susan Howe accepted the National Radon Action Month proclamation from the Washoe County Health District Board on Dec. 14.



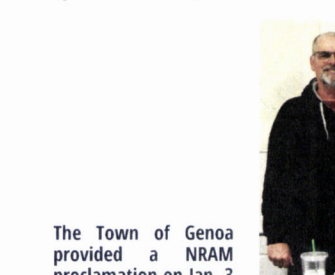
The Town of Gardnerville provided a NRAM proclamation on Jan. 2.



The Town of Minden approved a proclamation for National Radon Action Month on Jan. 3.



Howe accepted the NRAM proclamation offered by the Washoe County Commissioners on Jan. 16.



The Town of Genoa provided a NRAM proclamation on Jan. 3 with Howe accepting.



Juliana Baker-Tingey, Elko County Extension Educator, accepted the NRAM proclamation offered by the Elko County Commissioners on Jan. 17.



Howe accepted the Carson City Board of Supervisors' Commissioners' proclamation for National Radon Action Month on Jan. 16.



Nadia Noel accepted the Storey County Commissioners' proclamation on Jan. 16.



Juliana Baker-Tingey, Elko County Extension Educator, accepted the NRAM proclamation offered by the Elko County Commissioners on Jan. 17.

Radon message given at 42 NRAM opportunities

The Nevada Radon Education Program presents the radon message throughout the state to give residents the opportunity to learn about the health risk of the radioactive gas, how to determine a radon level and understand the process for reducing an elevated level of the gas. At least 42 speaking opportunities were provided during the 2018 NRAM season to give the message to the general public, civic groups, government officials or Realtors.

NREP reached more than 984 people who attended radon presentations or attended board, city council or commissioners' meetings where the radon message was given during the quarter. At least 588 test kits were given at these opportunities and 202 were utilized by Mar. 31, a 34 percent usage rate.

Susan Howe and Nadia Noel offered talks throughout the state. Radon measurement professional Bob Knauff in Las Vegas and radon mitigation professional Norm Denny in the Northern Nevada area assisted with several program presentations. A summary of the presentations, attendees and test kit usage form the NRAM events follows:

Gardnerville Town Board Meeting – Jan. 2

Gardnerville Town Board members bestowed a declaration announcing January as National Radon Action Month and 19 town residents witnessed it. Howe shared a short radon message.

Genoa Town Advisory Board Meeting – Jan. 3

The Genoa Town Advisory Board members provided a proclamation declaring January as National Radon Action Month and at least 10 town residents were present. Howe provided a short message.

Minden Town Board Meeting – Jan. 3

Minden Town Board members issued a decree declaring January as National Radon Action Month and 23 town residents were present. Howe provided a brief speech.

Fernley City Council Meeting – Jan. 3

Fernley City Council members provided a proclamation declaring January as National Radon Action Month and 35 town residents were present. Noel provided a short presentation, along with an award presentation to the second place winner of the Nevada Radon Poster Contest, a resident of Fernley. (See poster contest article Page 1.)

Douglas County Board of Commissioners – Jan. 4

Douglas County Commissioners presented a declaration announcing January as National Radon Action Month and 54 county residents witnessed it. Howe and Noel shared a brief radon message.

Sparks City Council Meeting – Jan. 10

Sparks City Council members issued a proclamation declaring January as National



Noel and Howe spoke at the First United Methodist Men's group meeting on Jan. 11 in Carson City.

Radon Action Month and about 56 city residents witnessed it. Howe gave a short speech.

First United Methodist group, Carson City – Jan. 11

Howe and Noel spoke to 22 members of the First United Methodist Men's Group about the radioactive gas. Of the 20 devices given out, 12 utilized by the end of the quarter.

Washoe County Board of Commissioners – Jan. 16

Washoe County Commissioners presented a proclamation announcing January as National Radon Action Month and around 48 county residents were in attendance. Howe provided a short radon message.

Storey County Board of Commissioners – Jan. 16

Storey County Commissioners bestowed a decree announcing January as National Radon Action Month and 33 county residents witnessed it. Noel gave a brief message.

Verdi Community Library & Nature Center – Jan. 17

Howe and Noel spoke to 15 residents about radon and how to test for it at Verdi Community Library. Mitigator Norm Denny presented information on how radon problems are fixed. Seven of the 13 short-term test kits distributed at the program were used.



Norm Denny, radon mitigator, presented educational information at the Verdi Library program. Denny spoke of mitigation techniques he uses to reduce radon in Nevada homes.

Carson City Board of Commissioners – Jan. 18

Carson City Commissioners issued a proclamation declaring January as National Radon Action Month and 77 city residents witnessed it. Howe gave a brief speech.

Lockwood Senior Center – Jan. 22

Noel offered a lecture at Lockwood Senior Center to 11 seniors and three staff. Many of the attendees wanted a test kit, and eight of the 20 kits given out were deployed.



Noel, Howe and Denny presented an educational radon program to 25 Nevada and California residents who attended the TRPA program on Jan. 23.

Tahoe Regional Planning Agency – Jan. 23

Howe and Noel presented to 25 Nevada and California residents with the collaboration of Natalia Deardorff, program director for the California Indoor Radon Program, and Norm Denny at the Tahoe Regional Planning Agency. Individuals from California were provided with a number of devices paid for by the California radon program. NREP handed out 15 kits to Nevadans and six have been used so far.



Natalia Deardorff, California Indoor Radon Program, presented a portion of the TRPA program where 25 Nevada and California residents attended on Jan. 23.

Carson City Senior Center – Jan. 24

Howe, Noel and Denny shared the radon messages with 22 Carson City residents at the senior center. Eleven devices were given out and five were used.



Norm Denny presented mitigation information at the Carson City Senior Center on Jan. 24.

South Valleys Library – Feb. 7

Denny, Howe and Noel spoke to 25 Washoe County residents at the South Valleys Library presentation. About 26 test devices were taken by the attendees and 13 have been utilized.



Noel and Howe spoke to 25 attendees at South Valleys Library on Feb. 7.

» continued, See PRESENTATIONS, Page 7

Presentations

Continued from Page 6



Denny, Howe and Noel presented an informative radon program to 17 CVIC program attendees on Feb. 8.

CVIC Hall – Feb. 8

Denny, Howe and Noel presented to 17 Nevada residents attending the CVIC program Feb. 8. Seven test kits were given out and three of the kits have been used thus far. (See poster contest article Page 1.)

Storey County Senior Center – Feb. 15

At least 20 seniors attended the Storey County Senior Center program and learned about radon from Howe and Noel. By quarter's end, the seniors utilized six of the 19 kits that were provided to them.



Howe and Noel presented radon information to the 20 seniors who attended the program offered at the Storey County Senior Center on Feb. 15.

Incline Village GID – Feb. 21

Howe and Noel educated six Incline Village residents. Two of the four devices given out have been deployed.

Humboldt County Wellness Program – Feb. 22

About 21 Humboldt County staff learned about radon from Howe and Noel at the county building during one of their monthly wellness



Howe and Noel presented the health risk message to 31 Humboldt County staff at the Feb. 22 wellness program.



Howe and Noel presented the health risk message to 32 people attending the Northwest Reno Library program.

presentations. Of the 31 test devices provided to them, nine have been used.

Northwest Reno Library – Feb. 24

Howe and Noel spoke to 32 people at the Northwest Reno Library on Feb. 24. The attendees received 35 kits total, yet only eight of them have been used during this quarter.

Southern Nevada Tour – Jan. 25 to Feb. 6



Bob Knauff, certified radon measurement professional in Las Vegas, assisted Noel for several programs.

From Jan. 25 to Feb. 6, Education Coordinator Nadia Noel gave 16 radon talks and was interviewed by one television station. NREP Program Director Susan Howe joined Noel for three presentations during the trip. Radon measurement specialist Bob Knauff spoke at several presentations as well.

Mesquite Library – Jan. 25

Noel offered a presentation to six patrons at the Mesquite Library, where nine test kits were handed out and five were utilized thus far.

Mount Charleston Library – Jan. 27

Radon measurement Specialist Bob Knauff and Noel shared the radon message with 11 attendees. Mrs. Knauff helped distribute 12 test kits to attendees and five of the kits have been utilized thus far.

Green Valley Library, Henderson – Jan. 27

Knauff and Noel offered a lecture to five individuals at the library, where three of the five devices have been deployed.

Summerlin Library, Las Vegas – Jan. 28

Knauff and Noel educated 18 participants about the radioactive gas and provided them with 21 test kits. Of those devices, nine have been used.



Noel spoke to 18 attendees at Summerlin Library on Jan. 28.

Sun City Anthem, Henderson – Jan. 29

NREP Program Director Susan Howe, Knauff and Noel presented to 170 residents of Sun City Anthem on Jan. 29. At least 138 devices were given out during this event and by the end of the quarter, 45.7 percent or 63 of



Noel, Howe and Knauff spoke to a room full of Sun City Anthem residents in Henderson, Jan. 29.

the kits were utilized. (See full report on Page 1.)

Centennial Hills Library – Jan. 29

Howe, Knauff and Noel shared the radon message with 10 attendees at Centennial Hills Library on Jan. 29. About 11 test devices were given out, and four of them have been deployed this quarter.



Ten residents attended the Centennial Hills Library presentation where Noel, Howe and Knauff shared the radon message on Jan. 29.

West Charleston Library – Jan. 30

Howe, Knauff and Noel offered a lecture to six individuals at this library. Of the seven kits that were given out, two were used.



Noel distributed 23 short-term test kits at the West Flamingo Senior Center on Jan. 31.

West Flamingo Senior Center – Jan. 31

Noel setup an exhibit booth at the West Flamingo Senior Center where she interacted with 30 people. During that event, she gave out 23 devices but only three have been deployed.

Clark County Library – Jan. 31

Knauff and Noel educated 17 participants and provided them with 19 test devices. So far



Noel and Knauff shared the radon message to 17 attendees at the Clark County Library on Jan. 31.

» 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. The charts show the number of kits distributed and utilized by Mar. 31. The percentage columns represent the percent of devices that were deployed at the named distribution point.

Overall, 3,276 short-term test kits were dispersed Jan. 1 through Mar. 31 and the usage rate was 44.4 percent. This is a 1,572 decrease in the number of test devices given out the same period last year. One reason for the decreased distribution could be attributed to charging for shipping of the free kits.

Special Projects, Partners and Cooperative Extension

At least 2,059 short-term test kits were distributed through partners, Cooperative Extension offices and special projects. The devices that were picked up by individuals or groups at Cooperative Extension and partner offices made up 63 percent of the total number of kits given out in the quarter. Of those test devices, about 1,037 or 50.4 percent were used.

At least 152 short-term test kits were distributed through new partners: Town of Genoa, Gardnerville Ranchos General Improvement District, City of West Wendover, Carlin Senior Citizens Center and Sierra Nevada Health Center. Established partners, Sun Valley General Improvement District, Carson Tahoe

Cancer Center, Tahoe Regional Planning Agency, Fernley City Hall, Incline Village Recreation Center, Central Lyon County Fire Department and Storey County Library distributed 402 kits.

Two projects, a Las Vegas Church Outreach, and Veterans Administration Hospital, had 38 test kits attributed to them. Mitigators Derrick Carpenter and Norm Denny handed out 22 free test kits to clientele and people they talked to. The Washoe County Cooperative Extension office led distribution numbers with 607 short-term kits given out this quarter. Douglas, Carson City and Clark County Cooperative Extension offices followed, with 273, 190 and 128 devices distributed respectively.

Statewide program presentations and events

NREP gave 908 free test kits during 27 programs, nine proclamation events and five tabling events and at least 267 were utilized by Mar. 31, which is a 29 percent usage rate.

Mail order requests

NREP received 309 mail order requests for test kits by mail: 183 were through Eventbrite; 99 by mail using the website coupon; 22 by miscellaneous coupons, and five used a coupon from a library display. The usage rate is 49 percent, since 151 of the devices were used by Mar. 31.

Short-term test kits distributed from Special Projects, Partners and Cooperative Extension offices from Jan - Mar 2018			
Distribution point	No. kits distributed	No. tested	% tested
Carson City/Storey County Cooperative Extension	190	103	54.2%
- Carson Tahoe Cancer Center	43	22	51.2%
- Sierra Nevada Health Center	1	0	0%
- Storey County Library	13	4	30.8%
Churchill County Cooperative Extension	20	12	60%
Clark County Cooperative Extension	128	63	49.2%
NE Clark County Cooperative Extension	20	4	20%
Douglas County Cooperative Extension	273	166	60.8%
- Tahoe Regional Planning Agency	55	39	70.9%
- Gardnerville Ranchos GID	93	28	30.1%
- Town of Genoa	29	17	58.6%
Elko County Cooperative Extension	25	9	36%
- City of West Wendover	12	6	50%
- Carlin Senior Citizens Center	17	4	23.5%
Humboldt County Cooperative Extension	52	35	67.3%
Lander County Cooperative Extension	58	34	58.6%
Lyon County Cooperative Extension	46	22	47.8%
- Fernley City Hall	51	22	43.1%
- Central Lyon County Fire District	23	11	47.8%
Mineral County Cooperative Extension	5	5	100%
Pershing County Cooperative Extension	20	13	65%
Washoe County Cooperative Extension	607	308	50.7%
- Incline Village Recreation Center	148	67	45.3%
- Sun Valley GID	69	31	44.9%
White Pine County Cooperative Extension	1	1	100%
Veterans Administration Hospital Project	30	1	3.3%
Las Vegas Church Outreach Project	8	0	0%
Mitigator Derrick Carpenter kit distribution	3	0	0%
Mitigator Norm Denny kit distribution	19	10	52.6%
TOTALS	2059	1037	50.4%

Short-term test kits distributed by Mail with Coupons, E-mail or Online orders from Jan - Mar 2018			
Distribution point	No. kits distributed	No. tested	% tested
Mail requests - by Eventbrite online order	183	87	47.5%
Mail requests - by Website coupon	99	52	52.5%
Mail requests - Miscellaneous	22	10	45.5%
Mail requests - by Library coupon	5	2	40%
TOTALS	309	151	48.9%

Short-term test kits distributed at Programs and Events from Jan - Mar 2018				
Date	Program/Event	No. kits distributed	No. tested	% tested
1/2/18	Town of Gardnerville Proclamation	10	4	40%
1/3/18	City of Fernley Proclamation	7	0	0%
1/3/18	Town of Genoa Proclamation	7	5	71.4%
1/3/18	Town of Minden Proclamation	9	1	11.1%
1/4/18	NN Medical Center Health Fair	37	13	35.1%
1/4/18	Douglas County Proclamation	6	0	0%
1/8/18	City of Sparks Proclamation	7	0	0%
1/11/18	First United Methodist Church Program	20	12	60%
1/16/18	Washoe County Proclamation	7	0	0%
1/16/18	Storey County Proclamation	5	0	0%
1/17/18	Verdi Library Program	13	7	53.8%
1/18/18	Carson City Proclamation	8	2	25%
1/19/18	Renown at Starbucks Event	149	41	27.5%
1/22/18	Lockwood Senior Center Program	20	8	40%
1/23/18	IRC Committee Meeting	11	0	0%
1/23/18	TRPA Program	15	6	40%
1/24/18	Carson City Senior Center Program	11	5	45.5%
1/25/18	City of Mesquite Program	4	2	50%
1/27/18	Green Valley Library Program	5	3	60%
1/27/18	Mt. Charleston Library Program	12	5	41.7%
1/28/18	Summerlin Library Program	21	9	42.9%
1/29/18	Centennial Library Program	11	4	36.4%
1/29/18	Sun City Anthem Program	138	63	45.7%
1/30/18	West Charleston Library Program	7	2	28.6%
1/31/18	Clark County Library Program	19	2	10.5%
1/31/18	West Flamingo Senior Ctr Health Fair	23	3	13%
2/1/18	Doolittle Senior Center Program	20	2	10%
2/1/18	Enterprise Library Program	12	6	50%
2/1/18	Mesquite Sunrise Rotary Program	9	5	55.6%
2/2/18	Cora Coleman Senior Center Program	8	2	25%
2/2/18	Rotary Club of North Las Vegas	14	0	0%
2/5/18	Boulder City Library Program	5	3	60%
2/6/18	Las Vegas Host Lions Club Program	10	1	10%
2/6/18	Realty One Program	26	2	7.7%
2/7/18	South Valleys Library Program	26	13	50%
2/8/18	CVIC Program	7	3	42.9%
2/15/18	Storey County Senior Center Program	19	6	31.6%
2/21/18	Incline Village Program	4	2	50%
2/22/18	Humboldt County Wellness Program	31	9	29%
2/24/18	NW Reno Library Program	35	9	25.7%
3/21/18	SEC Open House	100	7	7%
TOTALS		908	267	29.4%

Feb. 2, 2018 - Hunboldt Sun

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

NRAM

Continued from Page 3



The Radon banner was displayed outside the Carson City County Extension office.

it each day. Then the banner was hung from Feb. 5 to 11 on U.S. Highway 395 south of Eddy Street, where a projected 19,500 cars travel through every day.

3'x 8' banners

Cooperative Extension offices all over Nevada use the 3-by-8-foot vinyl "Test Your Home for Radon" banner to declare the availability of 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 encourage them to ascertain the level of the radioactive gas in their home during the winter because that is the best time to do so. The majority of people that request a free kit state that they heard the ad on the radio, television or from reading a newspaper article. 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.



Nadia Noel is interviewed Jan. 10 by Denise Wong, KOLO Ch. 8 ABC affiliate, Reno.

- Denise Wong, KOLO Channel 8 ABC affiliate, Reno interviewed Susan Howe and Nadia Noel on Jan. 10 at the Washoe County Cooperative Extension Office. The interview covered how to test for the radioactive gas, the process for reducing

an elevated level of radon and the health risk of being exposed to the decay products of uranium. The clip of this interview can be found at this link: <http://www.kolotv.com/video?vid=468814683>

- Brianna Wollard, KTVN Channel 2 CBS affiliate, Reno, interviewed Noel at Verdi Library on Jan. 17. The focus of the interview was on how the radioactive gas enters homes and why Nevadans should determine the level of the gas in their residences. The interview can be found at this link: <http://www.ktnv.com/category/170899/video-landing-page?clipId=14058832&autostart=true>



Nadia Noel is interviewed by Brianna Wollard, KTVN Ch. 2 CBS affiliate, Reno, on Jan. 17, at the Verdi Library and Nature Center.

- Dayna Roselli, KTNV Channel 13 ABC affiliate, Las Vegas, interviewed Noel on the morning of Jan. 30. The interview was live, and viewers were able to see how a test is done, as well as learn about the gas's health risk and the various radon potential throughout Clark County. To view this interview go to the following link: <https://www.ktnv.com/on-air/interviews/free-radon-test-kits-for-clark-county-residents>



Dayna Roselli, KTNV Ch. 13 ABC affiliate, Las Vegas, interviewed Nadia Noel on the morning of Jan. 30. The interview was live.

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



Sierra Nevada Health Center

A new partnership began

this NRAM with Sierra Nevada Health Center in Carson City. The Nevada Health Center location was a free kit and radon information distribution point for their patients.

Town of Genoa

A new collaboration between the Town of Genoa and the NREP began after the board presented a NRAM proclamation on Jan. 3. During the presentation, one of the board members thought it might be nice to offer residents a local location to get the free kits. Free test kits were also advertised in the town's Spring 2018 newsletter. Genoa tweeted twice about the kits to over 330 of their followers. It also posted about them on Facebook for the 2,521 people that like the page and 2,466 individuals that follow them. At least 25 test devices were distributed from this location and by the end of March, 15 had been deployed.



Gardnerville Ranchos General Improvement District (GRGID)

Another Douglas County collaboration began this year after the GID provided a NRAM proclamation to NREP. Since test kits are free in Douglas County year-round, GRGID has also opted to provide test kits year-round to their residents! As of Mar. 31, at least 93 test kits have been distributed from their office, with 28 used.



City of West Wendover

The City of West Wendover formed a new connection with NREP this National Radon Action Month. After finding out about the free kits through a proclamation request, the city manager asked if the city could supply its residents with test kits. West Wendover shared an article written by University Nevada Cooperative Extension staff on its Facebook page for the 289 people that follow the page and the 285 that like it. Twelve test kits were given out from this city and half were used by Mar. 31.



Carlin Senior Citizens Center

After learning about radon at the City Council's January meeting, the Senior Citizens Center manager, Ella Trujillo, asked about test kits for their members. Through her request, 17 test kits were delivered to the center. By the end of the quarter, four test kits had been used.

Edith Berejnaya's graduate project

Edith Berejnaya, a UNR graduate nursing

» continued, See NRAM, Page 12

Radon on the internet...

12-28-17, 1-17-18 and 1-30-18
KTNV.com

Free radon test kits for Clark County residents



SierraSun.com

Radon: You could almost say Douglas County glows

Kurt Henderson
Henderson@sierrasun.com



With the highest per capita number of homes tested for radon in the state, Douglas County has not only the lowest radon levels in the state, but also the lowest number of lung cancer deaths per 100,000 people.

12-30-17 and 1-21-18
laketahoenews.net



1-11-18 and 1-26-18
unr.edu

NEVADA Today

Can radon problems be fixed or prevented?



12-29-17
NevadaAppeal.com

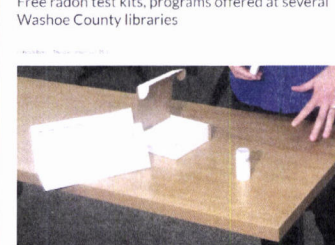
150th NEVADA APPEAL

Events to teach radon safety and offer free test kits to Nevadans



1-11-18 and 2-15-18
KRNv.com

Free radon test kits, programs offered at several Washoe County libraries



1-1-18
SierraSun.com

SierraSun.com

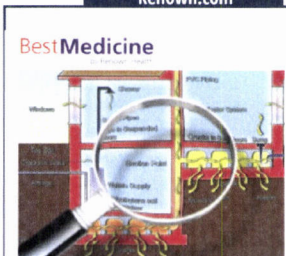
Radon: You could almost say Douglas County glows

Kurt Henderson
Henderson@sierrasun.com

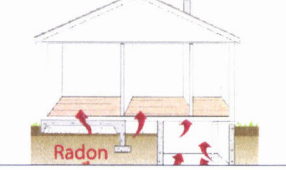


With the highest per capita number of homes tested for radon in the state, Douglas County has not only the lowest radon levels in the state, but also the lowest number of lung cancer deaths per 100,000 people.

1-7-18
Renown.com



1-25-18
sosradio.net



12-30-17, 1-26-18 and 2-15-18
recordcourier.com

The Record-Courier

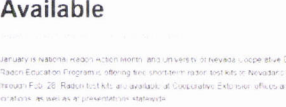
Gardnerville student wins national radon contest



1-16-18
mcindependentnews.com

Mineral County Independent-News

Free Radon Test Kits Available



1-16-18
SouthTahoeNow.com

SouthTahoeNow.com

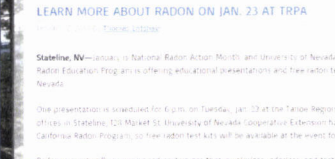
67% of homes in Stateline have elevated levels of Radon, learn more at presentation



1-12-18
trpa.org

TAHOE REGIONAL PLANNING AGENCY

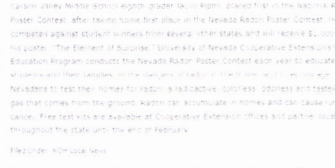
A Voice for Lake Tahoe



1-26-18
kkoh.com

KOH AM 780

Carson Valley Boy Wins National Contest, He's Jacob Phipps



1-9-18 and 2-16-18
sparktribune.com

Free Radon Test Kits Available This Month



1-4-18
tahodailytribune.com

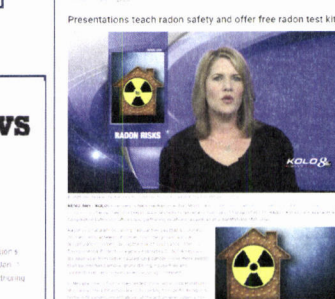
Tahoe Daily Tribune

Events to teach radon safety and offer free test kits to Nevadans



1-8-18
ThisIsReno.com

Radon Educational Presentations Scheduled, Test Kits Available to Public



1-5-18
rgi.com

reno gazette journal

Fernley student shines in state poster competition



Jan & Feb 2018 - radonleaders.org

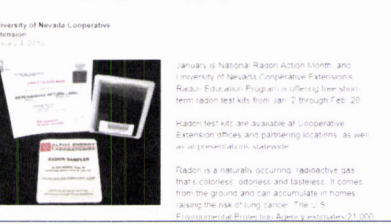
Radon Leaders Saving Lives



1-4-18
tahodailytribune.com

Tahoe Daily Tribune

Events to teach radon safety and offer free test kits to Nevadans



NRAM

Continued from Page 10

student, collaborated with NREP on a pilot program to offer free radon test kits to new patients after their primary care provider (PCP) asked them screening questions about radon. Berejnaya educated 10 PCPs at the Veterans Administration Hospital on how to talk to patients about radon, and offered a supply of radon test kits to give out. During the month of February, at least 30 free test kits and 50 radon brochures were given to patients through the providers. Excerpt from Edith's report: "Overall, the pilot program was well received among participating providers with the general consensus of welcoming educational radon handouts in primary care."

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.

- **Carson Tahoe Cancer Center**

The radon program has maintained its partnership with Carson Tahoe Cancer Center since they began providing free kits last NRAM. The Resource Center again serves as a distribution point for free devices for Nevadans who live in Carson City, Dayton and surrounding areas. At least 43 test kits were given out this NRAM and 22 were utilized by Mar. 31.



- **Sun Valley General Improvement District**

The Sun Valley General Improvement District (SVGID) once again dispersed devices for NREP. SVGID is a central location between the valley and the Spanish Springs area of Sparks. The GID offered educational materials on the radioactive gas along with the test kits. About 68 devices were given out this NRAM period and 30 were used by Mar. 31.



- **Central Lyon County Fire Protection District**

The Central Lyon County Fire Protection District, or the Dayton Fire Station as it is also called, served as a device dispersal location for a third year. The station provided 23 kits to residents from Jan. 1 to Feb. 28 and 11 were deployed by the end of the quarter.



- **City of Fernley**

Fernley City Hall has supplied its community with test kits for a fourth



year, as well as advertised that the devices are free on their reader board and website. At least 51 test kits were provided to city residents, and 22 or 43 percent of the kits were utilized.

- **Washoe County Library System**

The Washoe County Library System remains a faithful supporter of the radon program. The system continues to promote free test kits and presentations through displays, calendar listings, signs and social media. NREP spoke to patrons at the Northwest Reno, South Valleys and Verdi libraries this year. More than 70 residents attended the meetings.



- **Clark County Library District**

Las Vegas-Clark County Library District continues to support NREP through advertising the library radon presentations and free devices in libraries where the talks are held as well on those library websites. Enterprise, West Charleston, Mt. Charleston, Clark County, Centennial Hills, Mesquite and Summerlin libraries all hosted speaking engagements. Around 77 people attended these lectures.



- **Boulder City and Henderson libraries**

Boulder City and Green Valley libraries were two other locations that allowed NREP to offer a radon lecture. These libraries promoted the event on their websites and calendars. A total of 16 individuals attended talks at those locations.



- **Storey County Public Library**

Storey County Library has distributed test kits for NREP for the fourth year. The location gave out 13 devices and four were used by Mar. 31.



- **Incline Village General Improvement District (IVGID)**

IVGID has aided the Nevada Radon Education Program since December 2008 by advertising speaking engagements and free short-term kits in the December utility bill mailing. The Incline Village Recreation Center has been a year-round test kit dissemination point since December 2011. More than 1,146 devices have been supplied to Nevadans by this location since that date. At least 143 kits were given out this NRAM and 45 percent of the kits were used.



This is the fourth year that IVGID provided a NRAM proclamation recognizing January as National Radon Action Month. IVGID also hosted a radon presentation at the Incline Village Public Works building on Feb. 21 and six residents attended.

- **Tahoe Regional Planning Agency (TRPA)**

TRPA distributes test kits to Douglas County residents in Zephyr Cove and Stateline all year long. At least 227 devices have been supplied to Nevadans by this location since the beginning of 2010, and more than 66 percent have been used. The number of kits provided this NRAM was 49 and 33 of them were deployed by Mar. 31.



The Tahoe Regional Planning Agency hosted a presentation on Jan. 23 and 25 California and Nevada residents attended. The program was planned as a joint Nevada-California collaborative effort this year for the first time.

- **Certified radon professionals**

American Association of Radon Scientist and Technologists-National Radon Proficiency Program (AARST-NRPP) certified mitigator Norm Denny of Pinnacle Construction and certified measurement professional Bob Knauff assisted NREP with presenting portions of several programs during this year's NRAM. The expertise of certified radon testers and mitigators is invaluable and respected by the lecture attendees. Partnering Nevada radon mitigators also assisted in distributing 22 devices this quarter.

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 are reached by these communications is in parentheses. (See Radon in Newsletters on Page 13.)

- Pershing County Safety newsletter (200)
- Hidden Valley Home Owners Association Neighborhood Watch update, Jan. 2018 (400)
- Washoe County Manager's Monday Memo, 1/22/18 (2700)
- Washoe County Manager's Monday

» continued, See NRAM, Page 14

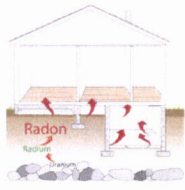
Radon in newsletters...

Hidden Valley Homeowners Association February 2017

Hidden Valley Homeowners Association

HVHA Member Mail

Nevada Radon Education Program's (NRED) mission is to educate the residents of Nevada about the health risk of radon, how to test for the gas, and how to reduce radon levels in the home.



Washoe County Manager's Memo January and February 2018

WASHOE COUNTY MANAGER'S MONDAY MEMO
A BRIEFING ON THE UPCOMING WEEK

JANUARY IS NATIONAL RADON ACTION MONTH
Test Your Home. Protect Your Health.

Last week the County Commission proclaimed January 2018 as National Radon Action Month. Radon is a colorless, odorless, naturally occurring radioactive gas that is the second leading cause of lung cancer. The only way to determine if a home has an elevated radon level is to test for it. The Nevada Radon Education Program, in partnership with University of Nevada Cooperative Extension, is providing free radon test kits to Sun City residents.

The Board of County Commissioners proclaimed January National Radon Action Month.

Spirit Magazine - Sun City Anthem January 2018

Spirit
Serving Sun City Anthem Since 1999

FREE RADON TEST KITS AND SEMINAR

Nevada Radon Education Program

Monday, January 29, 6:00 pm to 8:00 pm, in the Delaware Room at Anthem Center.

Although many people are aware that smoking causes lung cancer, not everyone knows that breathing the air in their home can also cause lung cancer. In fact, elevated radon concentrations in buildings are the leading cause of lung cancer for nonsmokers and the second leading cause for smokers. Radon kills more people than second-hand smoke, drunk driving and home fires combined.

In the City of Henderson, test results show that 21.7% of homes tested had elevated radon concentrations at or above the EPA Action Level of four picocuries per liter of air (pCi/L). Every home needs to be tested for radon, and we are far from that goal. Last year, we gave over 675 free radon test kits to Sun City residents.

For further information and questions, please call the Radon Hotline at 1-888-RADON10 (1-888-723-6610).

Nevada Cancer Coalition eNews 1-11-18



- National Radon Action Month - [Click here](#) and look to the right of the page for details on free test kits and upcoming presentations

Genoa Connection Spring 2018

GENOA CONNECTION NEWSLETTER
VOLUME No. 2 • ISSUE No. 5 • SPRING 2018

FREE Radon Test Kits available

Radon is a naturally occurring radioactive gas that you can't see, smell or taste. It is the leading cause of lung cancer among non-smokers.

Susan Howe, Program Education Director from the Nevada Radon Education Program, gave a presentation at the January Town Board meeting.

Radon test kits are available for free to Genoa area residents at the **Genoa Town Office**, or at the Extension Office at 1325 Waterloo in Gardnerville.

Contact Phil, (775) 782-8696 or (775) 782-6610 or visit the website www.RadonNV.com.

Susan stated that all homes in Douglas County should be tested and that if your home has radon, it can be fixed. Pick up a test today!

Pershing County Safety Connection January 2018

SAFETY CONNECTION
Pershing County's Safety Newsletter

Genoa Connection

Radon is a naturally occurring radioactive gas that you can't see, smell or taste. It is the leading cause of lung cancer among non-smokers.

Susan Howe, Program Education Director from the Nevada Radon Education Program, gave a presentation at the January Town Board meeting.

Radon test kits are available for free to Genoa area residents at the **Genoa Town Office**, or at the Extension Office at 1325 Waterloo in Gardnerville.

Contact Phil, (775) 782-8696 or (775) 782-6610 or visit the website www.RadonNV.com.

Susan stated that all homes in Douglas County should be tested and that if your home has radon, it can be fixed. Pick up a test today!

IVGID Public Works News January 2018 utility bill

January is National Radon Action Month
Come to a **FREE Radon Presentation**
Wednesday, Feb. 21, at 6 p.m.
IVGID Public Works, 1220 Sweetwater Rd.

Radon is the PRIMARY cause of LUNG CANCER among nonsmokers and is estimated to cause 21,000 lung cancer deaths in the U.S. each year.

Elevated levels of radon have been found in 34% of homes tested in Incline Village & Crystal Bay.

Free radon test kits available to Nevada residents. A certified radon inspector will be present to answer questions.

Washoe County Library System January 2018

Washoe County Library News & Events: January 2018

EVENTS

Radon Awareness

Radon is the primary cause of lung cancer among nonsmokers and is estimated to cause 21,000 lung cancer deaths in the U.S. each year.

Elevated levels of radon have been found in 34% of homes tested in Incline Village & Crystal Bay.

Free radon test kits available to Nevada residents. A certified radon inspector will be present to answer questions.

NEVADA Today 12-29-17

NEVADA Today

Presentations teach radon safety and offer free radon test kits

University of Nevada Cooperative Extension offers free radon test kits to Sun City residents.

Radon is a naturally occurring radioactive gas that you can't see, smell or taste. It is the leading cause of lung cancer among non-smokers.

Susan Howe, Program Education Director from the Nevada Radon Education Program, gave a presentation at the January Town Board meeting.

Radon test kits are available for free to Genoa area residents at the **Genoa Town Office**, or at the Extension Office at 1325 Waterloo in Gardnerville.

Contact Phil, (775) 782-8696 or (775) 782-6610 or visit the website www.RadonNV.com.

Susan stated that all homes in Douglas County should be tested and that if your home has radon, it can be fixed. Pick up a test today!

Elko County Newsletter February 2018

COMMUNICATOR
Elko County Employee Newsletter • February 2018 • Volume 27, Issue Two

COMMISSION UPDATE

From the January 2018 Meetings:

- Delmo Andreozzi was appointed Chair for 2018 of the Commission and Rex Steninger Vice-Chair. Most other assignments remained the same. The 2018 Meeting Schedule was approved with a tentative traveling meeting to be held July 18th in Mountain City.
- The Elko County Fire Protection District team sent to California to help fight the devastating fires there along with members of fire departments and equipment throughout Nevada.
- Commissioners approved comments to be sent to the US Forest Service on the Greater Sage Grouse Land Management Plan amendments regarding issues with conservation measures to support the sage grouse. The USFS will work with the BLM who comments were approved in November to address the issues raised by the comments. The County has been working in cooperation with NACO and Nevada Counties to address the major effects of what these plans have done.
- January 2018 was declared National Radon Action Month in Elko County and Bill Trayer from our Cooperative Extension noted that anyone would could pick up a test kit for free at their office to test their homes or office spaces. Any other time of the year the cost is \$10 and it doesn't matter if your space is old or new, radon could be affecting the health of your space.
- Commissioners approved a Resolution 2018-01 that supports US Senator Dean Heller's push to release 541 locations in the western United States designated as Wilderness Study Areas that nothing has ever been done with, including 10 Wilderness Study Areas (WSAs) in Elko County, Nevada, including 272,422 acres. Commissioners are encouraging all Nevada Counties to support this legislation that free up lands for public use.

Nevada Association of Counties eNews 1-12-18

NACO ~ NEWS
Encouraging county government to provide reliable information and support services to maintain efficiency and foster public trust in county government

National Radon Action Month

In Nevada, test results show that one in four homes tested had elevated radon concentrations. Every home needs to be tested for the gas. In recognition of National Radon Action Month, University of Nevada Cooperative Extension (UNCE), the Nevada Division of Public and Behavioral Health, in conjunction with the EPA, will strengthen efforts to educate the public about the dangers of the gas and what can be done to minimize the health risk from exposure to elevated levels of indoor radon. As part of these efforts, UNCE will offer presentations across the state so that citizens can learn more about the dangers of radon. They will also offer free radon test kits to Nevada residents from January and in February.

Washoe County Chronic Disease Coalition January & February 2018

Happy 2018 Coalition Members!

JANUARY 2018 - WASHOE COUNTY CHRONIC DISEASE COALITION ANNOUNCEMENTS:
Thank you all for submitting monthly announcements!!!

FREE Radon Test Kits and Educational Opportunities Offered

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. Educational presentations will be offered statewide to educate the public about the gas and what can be done to reduce residents' risk of developing lung cancer from radon in homes. For those not able to attend presentations, Nevadans can also order free test kits online at <http://testkitradon.com> for a processing fee of \$12.22 plus \$4 shipping. Test kits may also be ordered with a coupon available online at <http://bit.ly/188RADON10>, with a \$4 shipping fee. For more information on radon, how to get a free kit and presentations near you visit www.RadonNV.com or call 1-888-RADON10 (1-888-723-6610).

Presentations

Continued from Page 7



Noel presented to 16 at the Mesquite Rotary Club meeting on Feb. 1.

two kits have been used.

Mesquite Rotary Club – Feb. 1

Noel spoke to 16 Rotarians about radon at a sunrise rotary club meeting where nine devices were given out. Since that talk, five of those devices have been utilized.

Doolittle Senior Center – Feb. 1

Knauff and Noel educated 34 seniors and



Noel presented to 34 seniors at the Doolittle Senior Center on Feb. 1.

staff about radon, 20 kits were given out and two have been used.

Enterprise Library – Feb. 1

Knauff and Noel presented to 10 individuals and gave out 12 test devices, six of those kits have been deployed.

Cora Coleman Senior Center – Feb. 2

Noel shared the radon message with 12 people at this center. She gave out eight devices and two have been used so far.

Rotary Club of North Las Vegas – Feb. 2

Noel spoke to 25 Rotarians about the radon



Cora Coleman Program attendee, Vai Fetapai, and her son listen as Nadia Noel describes the radon health risk.



Noel spoke about radon to 25 North Las Vegas Rotarians on Feb. 2.

message. Fourteen test kits were given out at the event.

Boulder City Library – Feb. 5

Knauff and Noel presented to 10 individuals about radon at this event and gave out five devices, three of them were used by the quarter's end.

Realty One Group – Feb. 6

Noel educated 31 Realtors at the Realty One Henderson location. She also provided 26 devices, two of which have been deployed by the end of March.

Las Vegas Host Lions Club – Feb. 6

Noel shared the radon message with 22 Lions, 10 test kits were given out.

NRAM

Continued from Page 12

Memo, 2/05/18 (2700)

- Sun City Anthem Spirit Magazine, Jan. 2018, (6000+)
- Elko County's Employee Newsletter Communicator, Feb. 2018 (318)
- Genoa Connection Newsletter, March 2018 (3,400)
- IVGID Public Works News, Jan 2018 (4,200)
- Washoe County Email, 1/11/18 (1,360)
- Washoe County Library System January newsletter (4,491)
- Washoe County Chronic Disease Coalition e-newsletter, 1/4/18, (160)
- UNR's Nevada Today, 12/29/17 (3,706)
- UNR's Nevada Today, 1/11/18 (4,457)

Radon presentations

During this National Radon Action Month season, the NREP team gave 27 presentations and spoke at 15 city council, commissioner or board meetings to accept proclamation requests reaching more than 984 people in the state. At least 588 short-term test kits were given out to the individuals who attended these educational opportunities. By the end of the quarter, at least 202 of those devices were used. (See presentation recaps on Page 6.)

Test kit distribution

From Jan. 1 to Feb. 28 about 3,043 short-

term and 32 long-term test kits were provided to residents. At the quarter's end, at least 46 percent or 1,396 of the short-term kits were utilized.

Short-term devices were free to all Nevada residents during NRAM. NREP partnered with Carson Tahoe Cancer Center, Sierra Nevada Health Center, Storey County Library, Tahoe Regional Planning Agency, Gardnerville Ranchos GID, Town of Genoa, City of West Wendover, Carlin Senior Citizens Center, Fernley City Hall, Central Lyon County Fire District, Incline Village Recreation Center, Sun Valley GID, Cooperative Extension Offices and local mitigators to manage and distribute devices. Short-term kits are available for \$10 each when it is not NRAM season.

Special events

A couple of special events took place during this quarter. Free short-term test kits, information and promotional items were offered to all Nevadans at these events. (See article on Page 2.)

- Northern Nevada Medical Center Health Fair, Jan. 4, in Sparks.
- Renown Tabling Event, Jan. 19, in Reno.
- SEC Open House Tabling Event, Mar. 21, in Reno.

Additional outreach efforts

During National Radon Action Month

(NRAM), at least eight news releases were disseminated to the media. As a result, more than 16 news articles were published, four television reports were broadcasted (KRNK, KOLO, KTNV, FOX 11), and 41 websites carried information about radon, free test kits and presentations details.

Social media was also used to increase radon awareness throughout the state. There were at least 22 Facebook post made during NRAM, with 1,018 people reached. Fifteen messages on radon were tweeted, which resulted in 5,249 impressions and 65 people engaged with those tweets (See top social media posts on Page 13).

NREP's website hand a lot of traffic during NRAM. There were 84,880 hits, 12,895 visitors, 15,320 page views and 84,880 webpages were downloaded.

Proclamations

Proclamations were requested and received from the following 34 government entities: (See proclamations article on Page 4.)

1. Gov. Brian Sandoval for the State of Nevada
2. Nevada Association of Counties
3. Carson City Board of Supervisors
4. Churchill County Board of Commissioners

» continued, See NRAM, Page 15

Numbers compared to last year, last quarter

January's National Radon Action Month activities usually result in a larger number of radon test kits distributed, test kits used, homes mitigated and homes tested during real estate transactions than for other quarters during the year.

Distribution Numbers

The number of long- and short-term radon test kits distributed this quarter was 3,325 kits compared to 4,818 during last year's January through March quarter. This is a decrease of 1,493 compared to the same period last year. Compared to last quarter, where 370 kits were distributed, this quarter saw a 2,955 increase.

The total number of kits distributed over the years now totals 56,788, which is 4,331 more than a year ago. Of the kits distributed

over the program's lifetime, 30,476 are used, a 53.7 percent overall usage rate.

Number of Homes Tested

The total number of homes self-tested and reported from professionals since 1989 is 27,771, an increase of 1,907 homes since last year, and an increase of 1,193 over last quarter. According to 2016 Census Bureau data, there are 1,221,698 Nevada housing units, and 2.27 percent were tested for radon.

Number of Homes Mitigated

The number of reported homes mitigated now totals 1,211, which amounts to 22.4 percent of the houses that we are aware of needing mitigation (from long- and short-term radon test results) were mitigated. The total

number of homes mitigated increased this year by 151, and increased by 41 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 2,301, an increase of 411 over last year, and an increase of 131 over last quarter.

Number of RRNC Homes

The total number of reported homes built with Radon-Resistant New Construction (RRNC) techniques is 481, an increase of 33 over the year.

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.

Nevada Radon Education Program's Impact Data as of 3-31-18

County	% Radon Potential of Usable ST Test Results					% kits distributed/used**				% Homes tested			% Mitigations			# Real Estate	# RRNC
	# Valid ST tests*	# Homes < 4 pCi/l	# Homes ≥ 4 pCi/l	% Radon Potential	Average ST radon level pCi/l	Maximum ST radon level pCi/l	# long & short-term test kits distributed	# test kits used	% of test kits used	# Housing units	# Homes tested*	% Homes tested	# Homes that need mitigated+	# Homes mitigated	% Homes mitigated	# Homes tested in a real estate transaction	# Homes built RRNC
Carson City	1,821	1,122	699	38.4%	4.53	100.5	4,315	2,584	59.9%	23,436	2,082	8.9%	673	106	15.8%	163	22
Churchill	482	408	74	15.4%	2.76	16.4	1,157	618	53.4%	10,677	549	5.1%	71	10	14.1%	15	5
Clark	3,482	3,103	379	10.9%	2.10	70.0	9,869	4,404	44.6%	881,165	4,689	0.5%	369	71	19.2%	166	219
Douglas	4,189	2,592	1,597	38.1%	5.08	117.9	10,021	6,357	63.4%	23,988	4,822	20.1%	1,531	336	21.9%	489	95
Elko	419	264	155	37.0%	4.76	57.3	971	458	47.2%	20,936	501	2.4%	151	18	11.9%	17	2
Esmeralda	3	3	0	0%	1.40	1.9	19	3	15.8%	819	7	0.9%	0	0			
Eureka	26	18	8	30.8%	4.94	35.1	145	30	20.7%	1,029	34	3.3%	8	0	0%	1	
Humboldt	279	196	83	29.7%	4.35	58.3	720	402	55.8%	7,275	342	4.7%	82	7	8.5%	5	2
Lander	152	128	24	15.8%	2.93	24.9	366	235	64.2%	2,606	207	7.9%	24	2	8.3%	10	1
Lincoln	79	55	24	30.4%	5.88	121.0	202	115	56.9%	2,728	105	3.8%	23	0	0%	1	
Lyon	1,153	842	311	27.0%	3.56	135	2,551	1,417	55.5%	22,541	1,349	6.0%	289	44	15.2%	56	17
Mineral	102	61	41	40.2%	4.72	31.1	294	136	46.3%	2,773	117	4.2%	41	4	9.8%	6	
Nye	176	162	14	8.0%	1.82	9.2	508	236	46.5%	21,550	229	1.1%	13	1	7.7%	8	1
Pershing	181	81	100	55.2%	6.88	42.7	600	301	50.2%	2,393	217	9.1%	99	11	11.1%	5	1
Storey	45	33	12	26.7%	2.92	9.3	187	70	37.4%	1,984	65	3.3%	12	0	0%	1	1
Washoe	10,060	7,980	2,080	20.7%	3.35	195.0	24,249	12,840	53.0%	191,383	12,194	6.4%	1,962	598	30.5%	1349	114
White Pine	210	148	62	29.5%	3.92	32.8	547	257	47.0%	4,415	247	5.6%	60	3	5.0%	7	1
Unknown	4	3	1	25%	2.78	5.3	67	13	19.4%		15		1		0%	2	
Statewide totals	22,863	17,199	5,664	24.8%	3.64	195.0	56,788	30,476	53.7%	1,221,698	27,771	2.27%	5,409	1,211	22.4%	2301	481

*# 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 Housing units data is from 2016 Census data.

**# 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.

+ 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.

NRAM

Continued from Page 14

- Douglas County Board of Commissioners
- Elko County Board of Commissioners
- Esmeralda County Board of Commissioners
- Humboldt County Board of Commissioners
- Lander County Board of Commissioners
- Lyon County Board of Commissioners
- Mineral County Board of Commissioners
- Nye County Board of Commissioners
- Pershing County Board of Commissioners

- Storey County Board of Commissioners
- Washoe County Board of Commissioners
- White Pine County Board of Commissioners
- Boulder City, Mayor Rodney Woodbury
- City of Carlin, Mayor Dana Holbrook
- City of Fernley, Mayor Roy Edington
- City of Mesquite, Mayor Allan Litman
- City of Henderson, Mayor Andy Hafen
- City of Las Vegas, Mayor Carolyn Goodman
- City of Lovelock, Mayor Michael Giles
- City of North Las Vegas, Mayor John Lee
- City of Reno, Mayor Hillary Schieve

- City of Sparks, Mayor Geno Martini
- City of West Wendover, Mayor Daniel Corona
- Town Board of Gardnerville
- Town Board of Genoa
- Town Board of Minden
- Sun Valley General Improvement District
- Incline Village General Improvement District
- Gardnerville Ranchos General Improvement District
- Washoe County Health District

[illegible]

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	Jul - Sep 17	Oct - Dec 17	Jan - Mar 18	Totals
Radon phone and email inquiries		2,136	2,688	1,911	2,209	1,946	3,148	1,893	1,349	1,814	1,970	138	323	715	22,240
Direct contacts promoting radon testing and mitigation		3,259	14,000	10,428	7,862	7,768	8,416	9,205	9,107	8,633	4,139	1,268	1,044	6,175	91,304
Newspaper/magazine articles	1	99	61	85	68	122	105	44	50	45	29	1	5	18	733
Radon publications/information distributed		2,798	67,071	59,378	58,545	99,057	100,905	126,754	122,637	129,029	117,033	19,543	26,003	72,234	1,000,987
Radon exhibits		51	106	186	148	183	77	59	53	29	23	4	5	13	937
TV reports		17	9	57	37	6	4	6	21	23	7			4	191
TV PSAs						592	310	508	563	879	326			383	3,561
Radio PSAs		6	6	26	6	195	3,755	5,926	6,435	4,848	2,954			2,814	26,971
Website pages of NV Radon information			45	113	253	113	100	90	97	113	55	13	7	41	1,040
Social media reach (Facebook)								1,922	2,912	9,912	19,127	844	4,651	1,568	40,936
Twitter Impressions (begun 10-17-16)											29,402	3,902	9,050	5,996	48,350
Twitter Engagements (begun 10-17-16)											404	31	79	112	626
Eventbrite page views								355	481	238	668	85	153	710	2,690
Website page hits			29,466	59,288	75,920	85,617	152,793	198,030	227,969	343,970	258,278	65,266	86,291	118,279	1,701,167
Test kits distributed	971	2,469	8,208	5,321	4,829	3,993	4,929	5,219	5,346	5,712	5,746	346	372	3,327	56,788
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	153	159	1,187	27,454
Homes newly tested-Long Term	41	26	56	30	30	26	29	26	15	16	14	4	2	2	317
School buildings tested	6	1	16	10		15	1	1	10	0	3	2	1		66
School buildings mitigated	1	1	2	7			4	1		0	0		1	1	18
Homes mitigated	4	20	75	92	128	127	110	111	127	137	175	19	45	40	1,210
Homes with repaired mitigation system or fan replacements			1	1		2		1		1	1				7
Large buildings tested		27		31		152	16	5	12	23	33	1		69	369
Large buildings mitigated			2			1				12	0			2	17
Homes tested in Real Estate transaction	1	27	68	84	168	259	102	366	241	243	438	80	93	131	2,301
Homes built with RRNC features		7	36	30	18	22	26	23	228	31	33	3		24	481
Certified Mitigators		3	2	-1			-2	1		1	1	-1			4
Builders using RRNC					5	3	1	1	2	0	0				12
Realtors promoting Radon testing						26	7	3	52	23	39	12	16	15	193

Proclamations

Continued from Page 4

- Howe accepted the town of Gardnerville decree Jan. 2
- Howe received the towns of Genoa and Minden proclamations Jan. 3.
- Nadia Noel accepted the City of Fernley declaration on Jan. 3.
- Pamela Munk, Pershing County Safety Coordinator, received the Pershing County Commissioner's proclamation on Jan. 3.
- Howe and Noel accepted the Douglas County proclamation on Jan. 4.
- Howe and Noel received the City of Sparks proclamation on Jan. 8.
- Lisa Taylor, Lander County Extension Educator, received the Lander County Commissioners' decree on Jan. 11.
- Noel accepted the Storey County decree on Jan. 16.
- Howe received the Washoe County proclamation on Jan. 16.
- Howe and Noel received the Carson City Board of Supervisors' proclamation on Jan. 18.
- Juliana Baker-Tingey, Elko County Extension Educator, accepted the Elko County Board of Commissioners' declaration on Jan. 17.
- Patti Click, Mineral County Administrative Assistant, accepted the Mineral County Commissioners' proclamation on Feb. 1.



Noel and Howe accepted the City of Sparks proclamation for National Radon Action Month on Jan. 8.



Douglas County Commissioners proclaimed January as National Radon Action Month on Jan. 4.



Noel accepted the City of Fernley's proclamation for NRAM on Jan. 3.



Susan Howe accepted the National Radon Action Month proclamation offered by Sun Valley GID officers Dec. 14.

Nevada Radon Short-Term Test Results*

From 1989 to Mar. 31, 2018

Nevada counties	Carson City		Churchill		Clark		Douglas		Elko		Esmeralda	
Total number of usable tests per county	1,821		482		3,482		4,189		419		3	
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	1,122	699	408	74	3,103	379	2,592	1,597	264	155	3	0
% of homes tested that have elevated radon levels	38.39%		15.35%		10.88%		38.12%		36.99%		sample size too small	

Nevada counties	Eureka		Humboldt		Lander		Lincoln		Lyon		Mineral	
Total number of usable tests per county	26		279		152		79		1,153		102	
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	196	83	128	24	55	24	842	311	61	41
% of homes tested that have elevated radon levels	30.77%		29.75%		15.79%		30.38%		26.97%		40.20%	

Nevada counties	Nye		Pershing		Storey		Washoe		White Pine		TOTALS	
Total number of usable tests per county	176		181		45		10,060		210		22,863	
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	162	14	81	100	33	12	7,980	2,080	148	62	17,199	5,664
% of homes tested that have elevated radon levels	7.95%		55.25%		26.67%		20.68%		29.52%		24.77%	

*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, 2018

Nevada counties	Carson City	Churchill	Clark	Douglas	Elko	Humboldt	Lander	Lincoln	Lyon	Mineral	Pershing	Washoe	White Pine	TOTALS
Total number of usable tests per county	76	7	52	159	11	5	3	3	43	1	4	309	8	681
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	36 40	6 1	42 10	119 40	6 5	3 2	2 1	2 1	35 8	0 1	3 1	232 77	6 2	492 189
% of homes tested that have high radon levels	52.6%	14.3%	19.2%	25.2%	45.5%	40.0%	33.3%	33.3%	18.6%	100%	25.0%	24.9%	25.0%	27.75%

**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.)

Radon Zone Summaries

Nevada Radon Zone Short-Term Test Result Summary				
Zones	Counties	Total Tests	Tests ≥ 4 pCi/l	% high radon
Zone 1 High Potential	Carson City, Douglas, Elko, Eureka, Humboldt, Lincoln, Lyon, Mineral, Pershing, Storey, Washoe, White Pine	18,568	5,173	27.86%
Zone 2 Moderate Potential	Churchill, Clark, Lander	4,116	477	11.59%
Zone 3 Low Potential	Nye, Esmeralda	179	14	7.82%
Statewide statistics		22,863	5,664	24.77%

Nevada Radon Zone Long-Term Test Result Summary				
Zones	Counties	Total Tests	Tests ≥ 4 pCi/l	% high radon
Zone 1 High Potential	Carson City, Douglas, Elko, Eureka, Humboldt, Lincoln, Lyon, Mineral, Pershing, Storey, Washoe, White Pine	619	177	28.59%
Zone 2 Moderate Potential	Churchill, Clark, Lander	62	12	19.35%
Zone 3 Low Potential	Nye, Esmeralda	NA		
Statewide statistics		681	189	27.75%

Nextdoor

Continued from Page 1

radon test kit and presentation dates to neighborhoods using the Nextdoor app. NREP staff recruited individuals at presentations and from University of Nevada Cooperative Extension to share messages with their neighbors on the app. Several individuals requested test kits because of the social media messaging. Howe and Noel hope to improve on these new outreach methods for the next NRAM to reach more Nevada residents.



University of Nevada
Cooperative Extension

The University of Nevada, Reno is an Equal Employment Opportunity/Affirmative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, sexual orientation, or genetic information in any program or activity it operates. The University of Nevada employs only United States citizens and aliens lawfully authorized to work in the United States.



This publication was supported by the Nevada Division of Public and Behavioral Health through Grant Number K1-96963518-0 from the U.S. Environmental Protection Agency. Its contents are solely the responsibility of the authors and do not represent the official views of the Nevada Division of Public and Behavioral Health nor the U.S. Environmental Protection Agency.

Telov Signs
537 50 5th Street

ENTRANCE
C/A/C

3/28/14

Proposed Changes To site grade

Proposed
To SWA/C

Proposed
To SWA/C

Notes:

Elevations will come at
a later date, will be known
at time of install, but
will ensure plenty of
grade, which will conform
to city specs, or SDPMS.

Asphalt

Remove & Replace Asphalt

Concrete gutter

INSPECTION

TRENCH FULL

Concrete

BRDG.

Feetings & foundation

Concrete gutter

Interior BRDG

①

②

③

④

⑤

Remove & Replace

concrete

Provide 4" Drain line with
possible flow
to clean out

OFFICE

BATH

TIC TO EXISTING
4" STAND
PIPE

E3 BOYER LEASE AGREEMENT CHANGES

SECTION 18 AIRPORT MASTER PLAN

18.01 Termination of Lease. The Lessee understands that the Lessor has a master plan at the airport, that the master plan is subject to amendment, and that movement of the buildings and changes as set forth in this lease may become necessary as a result. Lessee, accordingly, covenants and agrees, notwithstanding any provisions of this Lease to the contrary, that the Lessor may terminate this Lease at any time during the term of this Lease, or any renewable extension thereof, by written notice mailed or delivered to Lessee as provided in Section 22.04 hereof, and upon any such termination, the Lessee shall within thirty (30) days from the date of such notice of termination, vacate the Leased Premises, surrender this Lease in the premises, and remove from the Leased Premises all of Lessee's liens and improvements, the removal of which is requested by the Lessor

CHANGED TO THE FOLLOWING:

18.01 Termination of Lease. The Lessee understands that the Lessor has a master plan at the airport, that the master plan is subject to amendment, and that movement of the buildings and changes as set forth in this lease may become necessary as a result. Lessee, accordingly, covenants and agrees, notwithstanding any provisions of this Lease to the contrary, that the Lessor may terminate this Lease at any time during the term of this Lease, or any renewable extension thereof, by written notice mailed or delivered to Lessee as provided in Section 22.04 hereof, and upon any such termination, the Lessee shall within ninety (90) days from the date of such notice of termination, vacate the Leased Premises, surrender this Lease in the premises, and remove from the Leased Premises all of Lessee's liens and improvements, the removal of which is requested by the Lessor.

SECTION 23 ADDITIONAL TERMS

23.02 Abandonment. In the event the Lessee abandons the Leased Premises, the Lease shall immediately terminate without further notice and any hangar and personal property remaining on the Leased Premises shall become the property of Lessor. For purposes of this Section 23.02, "abandonment" shall occur when either Lessee notifies Lessor that it has abandoned the Leased Premises or Lessee does not use the Leased Premises for the storage of airplanes for a period of ninety (90) days.

CHANGED TO THE FOLLOWING:

23.02 Abandonment. In the event the Lessee abandons the Leased Premises, the Lease shall immediately terminate within ninety (90) days) without further notice and any hangar and personal property remaining on the Leased Premises shall become the property of Lessor.