

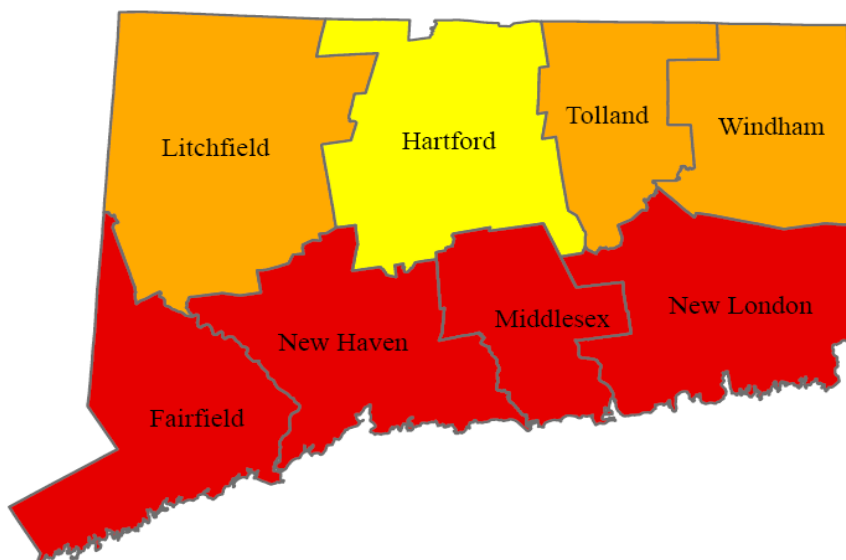
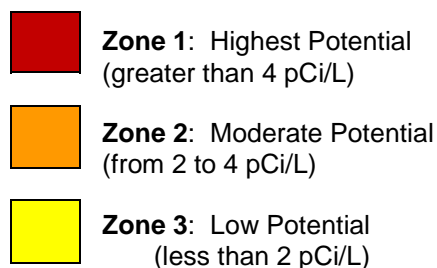
## Radon Potential Zones in Connecticut

The U.S. Environmental Protection Agency and the U.S. Geological Survey developed the radon potential map shown below using data collected from studies and surveys conducted in Connecticut. Building code officials are urged to use this map to decide if radon-resistant features should be used in the construction of new homes.

The map assigns each of the counties in Connecticut to one of three zones based on radon potential. \*Each zone designation reflects the average short-term radon measurement that is likely to occur in a building without the implementation of radon control methods. The radon zone designation of the highest priority is Zone 1 (i.e., red-colored counties).

The map was created using five sources of information:

1. Indoor radon measurements;
2. Geology;
3. Aerial radioactivity;
4. Soil permeability; and
5. Foundation type.



*\* This map is not intended to be used to determine if a home in a given zone should be tested for radon. Homes with elevated levels of radon have been found in all three zones. All homes should be tested regardless of geographic location.*

## Program Initiatives

In order to reduce the number of radon-induced lung cancer deaths in CT, the Radon Program uses State Indoor Radon Grant (SIRG) funds that require a 40% state match to focus on the following activities:

- Providing technical assistance to local health departments, local building officials, realtors, home inspectors, other state agencies, and the general public about radon;
- Overseeing radon measurement activities in all public schools (approximately 1000 CT public schools have been tested for radon to date); and providing technical guidance and assistance to private industry, school officials, and local health departments;
- Conducting education and outreach campaigns throughout the year, particularly during January, which is designated as National Radon Action Month;
- Compiling and maintaining lists of radon measurement and mitigation professionals who have been certified by the two national non-profit organizations (the AARST-National Radon Proficiency Program, and the National Radon Safety Board); and referring the general public to those professionals;

- Collaborating with local health departments, private industry, other state agencies, and other non-profit organizations to promote radon awareness, testing, mitigation and radon-resistant new construction activities throughout Connecticut. The program currently works with the American Lung Association, the CT Department of Consumer Protection, real estate professionals, local health departments, the CT Department of Economic and Community Development, and the CT State Department of Education, and the CT Department of Public Works;
- Collaborating with the CT State Department of Education to incorporate radon-resistant new construction features in all newly built schools throughout the state;
- Collaborating with the Department of Economic and Community Development and private industry to test for radon gas, and mitigate high levels of radon in homes receiving assistance through Community Development Block Grant funds;
- Developing policies, protocols, and educational opportunities for the industry to promote the quality of radon-related activities; and
- Participating in the CT Cancer Partnership's CT Cancer Plan.

### **Proposed or Enacted Legislation**

There are several laws in CT that pertain to radon and radon-related activities as shown below.

#### Department of Public Health Statutes

Sec 19a-14b Radon mitigators, diagnosticians and testing companies

*\*The Radon Program just proposed a revision requiring all analytical measurement service providers to report radon in air and water results and all mitigation contractors to report addresses, type of system, and name of installer for all radon in air and water mitigation installations.*

Sec 19a-37 Regulation of water supply wells and springs (Radon in private well results reporting to Commissioner and reference to laboratory approval for analysis of results through the CT DPH Laboratory Reporting Program)

Sec 19a-37b Establishing acceptable levels of radon in schools

*\*The Radon Program completed regulations for radon measurement and mitigation in CT public schools after our statutes were revised to give us the authority to draft regulations*

#### Department of Education Statutes

Sec 10-220 Duties of Boards of Education (Requires indoor air quality evaluation in CT public schools which includes radon testing)

Sec 10-282 Definition 7 - Code Violation (Identifies radon as a 'code violation' and therefore a reimbursable expense if mitigation is needed)

Sec 10-291 Approval of Plans and Site (All new schools are to be built with RRNC features in high to moderate radon potential zones)

#### Department of Consumer Protection Statutes

Sec 20-420 Registration of contractors performing radon mitigation

Sec 20-327b Residential Condition Reports

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