



INDOOR
ENVIRONMENTS
ASSOCIATION

EPA Region 4
Radon Stakeholder Meeting

May 28, 2026



Strategic Mission



- Developing Industry Standards
- Certifying Technical Proficiency
- Enabling Advancement of Public Policy
- Advocacy: Communicating Health Risks to the Public

The AARST Consortium on National Standards



- Independent Stakeholder Representation
- ANSI Accredited
- Commitment to Balance to Prevent Dominance
 - ✓ Educators
 - ✓ Regulated States
 - ✓ Non-regulated States
 - ✓ Certification program
 - ✓ US EPA
 - ✓ HUD
 - ✓ Public Health NGO
 - ✓ Home Inspectors
 - ✓ Testing
 - ✓ Mitigation
 - ✓ Laboratory
 - ✓ Scientist
 - ✓ Radon Chamber
 - ✓ Due Diligence
 - ✓ Builders
 - ✓ Vapor Intrusion

<https://standards.aarst.org/>



The AARST Consortium on National Standards



- 10 Active Standards
- 3 New Standards In Progress: OM&M, RMS-W, MA-VI
- 3-Year Renewal Cycle
- Public Review Prior to Release and during Renewal

<https://standards.aarst.org/>





National Radon Proficiency Program

Amy Roedl, Director of Proficiency

proficiency.director@nrpp.info

- Independent Certification Council: Responsible for all certification decisions, independent of the IEA Board of Directors
- Radon Measurement Professional*
- Radon Measurement Field Technician*
- Radon Mitigation Specialist*
- Radon Mitigation Installer*
- Soil Gas Mitigation Compliance Inspector
- New in 2026: Commercial Rn Measurement Specialist, Commercial Rn Mitigation, Vapor Intrusion Mitigation
- Approves radon laboratories, radon chambers, radon measurement devices, and training courses

*ANAB accredited to the ISO/IEC 17024 Standard



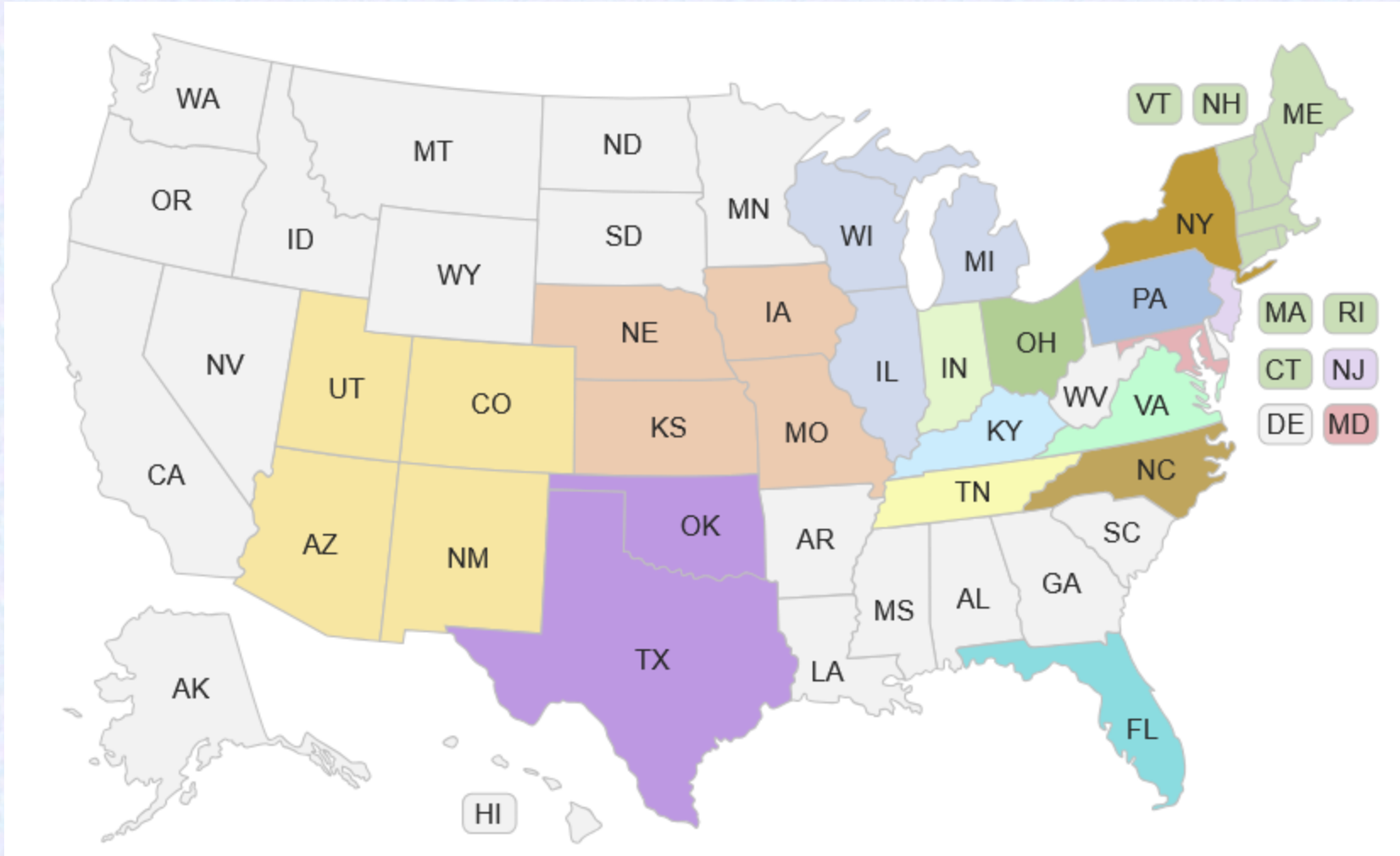
IEA Membership



- Automatic Membership in Chapter
- Free Standards - ANSI/AARST PDFs and Searchable Flipbooks available in the Standards Library
- Free Continuing Education courses
- Symposium Discount
- Participation in Government Affairs work
- Partners Programs
 - Lowe's – Discount and Value Saving Program
 - Angi
 - Corporate Discounts



Chapters

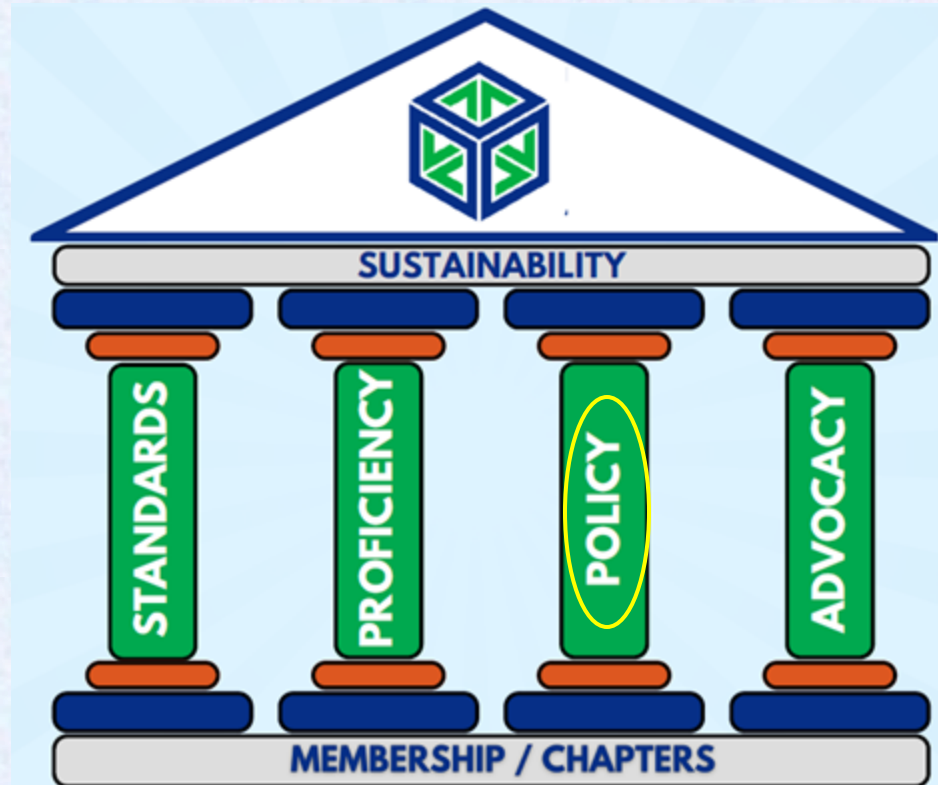


Sustainability



- Association Leaders Working and Representing All Industry Members
- Strategic Planning to Meet the Needs in a Changing Environment
- Building on Our Radon and VI Foundation to Create Growth Opportunities for All Members
- Providing Ethical Leadership in the Protection of Occupants from Contaminants of Concern in the Built Environment

Policy



Jane Malone
National Policy Director
nationalpolicy@indoorenvironments.org

EPA - Radon Appropriations

Indoor Air and Radiation	FY24	FY25	FY26	<i>FY 27 (Proposed)</i>
State Indoor Radon Grants	\$9,130	\$9,130	\$9,130	\$0
Indoor Air and Radiation (IAR)				
• Indoor Air: Radon Program	\$2,627	\$3,291	\$2,540	\$0
• Radiation: Protection	\$8,791	\$9,893	\$9,530	\$2,415
• Radiation: Response Preparedness	\$2,044	\$1,868	\$2,875	\$2,302
• Reduce Risks from Indoor Air	\$14,343	\$14,274	\$11,907	\$11,984
Total, Indoor Air and Radiation	\$27,805	\$29,326	\$26,852	\$16,701

IEA's FY 27 Appropriations Requests for EPA

Requested Report Language

Categorical Grant: Radon. The Committee continues to support state and tribal radon program efforts that raise awareness about the associated risks of radon exposure. The Committee encourages **increasing radon grants to States that are seeking to adopt or strengthen certification requirements for radon measurement and mitigation workers.**

Indoor Air: Radon. The Committee supports Agency efforts to **update its radon credentialing framework to ensure a quality workforce, public health protection, and consistency,** and to **support the ongoing development of the EPA-recommended voluntary consensus standards.**

Requested Funding Increase

Categorical Grant: Radon. The funding level in the FY 26 Interior-Environments Appropriations Bill for the State Indoor Radon Grant Program **(SIRG) shall be increased to \$18 million,** and the increase shall be used **for adopting and strengthening state credential requirements for radon measurement and mitigation workers.**

Multi-family Lending Policies

HUD's Department-Wide Policy

- 1988:** **Stewart B. McKinney Amendments Act** requires HUD to develop an effective departmental policy for dealing with radon contamination, to ensure that occupants of housing are not exposed to hazardous levels of radon.
- 2013:** HUD Mortgagee [Letter](#) directs that FHA multifamily lending environmental reviews include radon testing according to MAMF by certified radon professionals, and mitigation of high radon levels as needed. The policy limited testing to 25% of ground contact (GC) units, required testing (and mitigation as needed) of all others if testing the first 25% found high radon.
- 2020:** HUD amends the radon policy in the [Multifamily Accelerated Processing \(MAP\) Guide](#) to require 100% GC testing
- 2021:** [HUD's Inspector General](#) reports disparate approaches to protection from radon across HUD programs and calls for department-wide requirements to test for and mitigate radon.
- 2021:** Federal Housing Finance Agency tells Fannie Mae/Freddie Mac add radon protection to multifamily lending policies .
- 2023:** FHFA [announces](#) new Fannie Mae/Freddie Mac policy to test 25% of GC units (and additional units where elevated concentrations were determined present), pledging adjustments to ensure policy is “data informed, fully understood by property owners, properly implemented/ enforced.”
- 2024:** HUD announces department-wide radon policy that fails to protect occupants as well as the MAP Guide policy, [CPD-23-103](#). without preempting lending program requirements in the MAP Guide or other current or future radon guidance that is more prescriptive.”
- 2025:** FHFA [rescinds](#) without evidence-based evaluation its directive for radon testing and mitigation, claiming that the policy added “time, expense, and operational complexity” and was no longer consistent with FHFA’s priorities and objectives.”

FY 27 Appropriations Requests for HUD

Requested Report Language

Office of Housing, General and Special Risk Program Account. The Committee recognizes the importance of protecting tenants from radon exposure, the second leading cause of lung cancer, and **encourages FHA to continue the 2020 policy requirement for radon testing, and radon mitigation as needed**, performed by Radon Professionals according to the applicable ANSI/AARST industry consensus standard.

Community Planning and Development, Office of Environment and Energy. The Committee understands that the departmentwide radon testing and mitigation policy promulgated by the Office of Community Planning and Development is not as protective as FHA's 2020 policy requirement for radon testing, and radon mitigation as needed, performed by Radon Professionals according to the applicable ANSI/AARST industry consensus standard. The Committee **encourages HUD to reevaluate and prepare for the implementation of changes consistent with the FHA 2020 policy requirement.**

Radon Report Cards

Indoor Environments Association / AARST, 2026

FLORIDA

The Radon Report Card: Risk and Response

Population and Lung Cancer Total Population: 21,244,317

➕ Lung Cancer Deaths: 11,288

👤 Age-Adjusted Lung Cancer Incidence Rate (per 100,000) 54

Lung Cancer Cases 17,455

Radon-Induced Lung Cancer Cases 1,416

- * Medical Costs (hospital, medicine, doctors) \$285,000,000
- * Economic Costs (lost wages / productivity) \$299,000,000

Buildings and Exposure Potential
Pre-Mitigation Radon Tests: 197,072

Percent by Radon Level

- < 2 pCi/L (46%)
- ≥ 2 to < 4 pCi/L (28%)
- ≥ 4 pCi/L (26%)

Statewide Radon Policies

Credential Required	✓	State Certification
Radon Standards in Effect	✓	EPA Measurement; FL Mitigation
Homebuyer Protection Required	✓	Notification
Radon System Requirement for New Homes	✗	No
Type of New Home Where Required	N/A	N/A
Standard/Code for Radon System in New Homes	✓	State Building Code
School Testing Required	✓	Yes designated counties
Radon System Requirement for New Schools	✗	No

Housing Units by Structure Type

	1 to 4 Units	5 or More Units	Total
Existing	7,126,372	2,308,854	9,435,226
New	102,963	51,339	154,302

Public Schools: 4,220

EPA and ANSI-AARST Radon Measurement Standards recommend fixing a building with a radon level ≥ (above or equal to) 4 pCi/L and consider fixing it if any radon level is ≥ 2 and < (below) 4 pCi/L.

Total Population; Lung Cancer Deaths; Age-Adjusted Lung Cancer Rate (per 100,000); Lung Cancer Deaths; CDC US Cancer Statistics (2018). Estimated Radon-Induced Lung Cancer Cases; Lung Cancer Cases weighted by scaled mean radon levels; CDC Environmental Public Health Tracking Network (2008-2017); National Cancer Institute, Cancer Trends Progress Report (2022) and Productivity Costs of Cancer Mortality in the US (2018); Statewide Radon Policies; EPA Radon compilation, 2006; Pre-Mitigation Radon Tests from State; CDC Environmental Public Health Tracking Network (2008-2017); Existing Housing Units and New Housing Units US Census (2019); Public Schools National Center for Educational Statistics (2020-2021).



Indoor Environments Association / AARST, 2026

KENTUCKY

The Radon Report Card: Risk and Response

Population and Lung Cancer Total Population: 4,461,153

➕ Lung Cancer Deaths: 3,065

👤 Age-Adjusted Lung Cancer Incidence Rate (per 100,000) 83

Lung Cancer Cases 4,803

Radon-Induced Lung Cancer Cases 1,033

- * Medical Costs (hospital, medicine, doctors) \$208,000,000
- * Economic Costs (lost wages / productivity) \$218,000,000

Buildings and Exposure Potential
Pre-Mitigation Radon Tests: 28,793

Percent by Radon Level

- < 2 pCi/L (33%)
- ≥ 2 to < 4 pCi/L (23%)
- ≥ 4 pCi/L (44%)

Statewide Radon Policies

Credential Required	✓	Private Certification with State Registration
Radon Standards in Effect	✓	ANSI-AARST
Homebuyer Protection Required	✓	Disclosure & Notification on Real Estate Form
Radon System Requirement for New Homes	✗	No
Type of New Home Where Required	N/A	N/A
Standard/Code for Radon System in New Homes	N/A	N/A
School Testing Required	✗	No
Radon System Requirement for New Schools	✗	No

Housing Units by Structure Type

	1 to 4 Units	5 or More Units	Total
Existing	1,765,177	217,645	1,982,822
New	7,994	3,817	11,811

Public Schools: 1,532

EPA and ANSI-AARST Radon Measurement Standards recommend fixing a building with a radon level ≥ (above or equal to) 4 pCi/L and consider fixing it if any radon level is ≥ 2 and < (below) 4 pCi/L.

Total Population; Lung Cancer Deaths; Age-Adjusted Lung Cancer Rate (per 100,000); Lung Cancer Deaths; CDC US Cancer Statistics (2018). Estimated Radon-Induced Lung Cancer Cases; Lung Cancer Cases weighted by scaled mean radon levels; CDC Environmental Public Health Tracking Network (2008-2017); National Cancer Institute, Cancer Trends Progress Report (2022) and Productivity Costs of Cancer Mortality in the US (2018); Statewide Radon Policies; EPA Radon compilation, 2006; Pre-Mitigation Radon Tests from Labs; CDC Environmental Public Health Tracking Network (2008-2017); Existing Housing Units and New Housing Units US Census (2019); Public Schools National Center for Educational Statistics (2020-2021).

Indoor Environments Association / AARST, 2026

NORTH CAROLINA

The Radon Report Card: Risk and Response

Population and Lung Cancer Total Population: 10,381,615

➕ Lung Cancer Deaths: 5,189

👤 Age-Adjusted Lung Cancer Incidence Rate (per 100,000) 62

Lung Cancer Cases 8,186

Radon-Induced Lung Cancer Cases 685

- * Medical Costs (hospital, medicine, doctors) \$138,000,000
- * Economic Costs (lost wages / productivity) \$145,000,000

Buildings and Exposure Potential
Pre-Mitigation Radon Tests: 73,139

Percent by Radon Level

- < 2 pCi/L (22%)
- ≥ 2 to < 4 pCi/L (23%)
- ≥ 4 pCi/L (55%)

Statewide Radon Policies

Credential Required	✗	None
Radon Standards in Effect	✗	None
Homebuyer Protection Required	✓	Disclosure Only
Radon System Requirement for New Homes	✗	No
Type of New Home Where Required	N/A	N/A
Standard/Code for Radon System in New Homes	N/A	N/A
School Testing Required	✗	No
Radon System Requirement for New Schools	✗	No

Housing Units by Structure Type

	1 to 4 Units	5 or More Units	Total
Existing	4,018,809	605,200	4,624,009
New	52,262	19,045	71,307

Public Schools: 2,682

EPA and ANSI-AARST Radon Measurement Standards recommend fixing a building with a radon level ≥ (above or equal to) 4 pCi/L and consider fixing it if any radon level is ≥ 2 and < (below) 4 pCi/L.

Total Population; Lung Cancer Deaths; Age-Adjusted Lung Cancer Rate (per 100,000); Lung Cancer Deaths; CDC US Cancer Statistics (2018). Estimated Radon-Induced Lung Cancer Cases; Lung Cancer Cases weighted by scaled mean radon levels; CDC Environmental Public Health Tracking Network (2008-2017); National Cancer Institute, Cancer Trends Progress Report (2022) and Productivity Costs of Cancer Mortality in the US (2018); Statewide Radon Policies; EPA Radon compilation, 2006; Pre-Mitigation Radon Tests from Labs; CDC Environmental Public Health Tracking Network (2008-2017); Existing Housing Units and New Housing Units US Census (2019); Public Schools National Center for Educational Statistics (2020-2021).

Indoor Environments Association / AARST, 2026

TENNESSEE

The Radon Report Card: Risk and Response

Population and Lung Cancer Total Population: 6,771,631

➕ Lung Cancer Deaths: 3,935

👤 Age-Adjusted Lung Cancer Incidence Rate (per 100,000) 70

Lung Cancer Cases 6,124

Radon-Induced Lung Cancer Cases 912

- * Medical Costs (hospital, medicine, doctors) \$183,000,000
- * Economic Costs (lost wages / productivity) \$192,000,000

Buildings and Exposure Potential
Pre-Mitigation Radon Tests: 31,066

Percent by Radon Level

- < 2 pCi/L (43%)
- ≥ 2 to < 4 pCi/L (24%)
- ≥ 4 pCi/L (33%)

Statewide Radon Policies

Credential Required	✗	None
Radon Standards in Effect	✗	None
Homebuyer Protection Required	✓	Disclosure & Notification on Real Estate Form
Radon System Requirement for New Homes	✗	No
Type of New Home Where Required	N/A	N/A
Standard/Code for Radon System in New Homes	N/A	N/A
School Testing Required	✗	No
Radon System Requirement for New Schools	✗	No

Housing Units by Structure Type

	1 to 4 Units	5 or More Units	Total
Existing	2,570,926	389,787	2,960,713
New	30,099	11,262	41,361

Public Schools: 1,880

EPA and ANSI-AARST Radon Measurement Standards recommend fixing a building with a radon level ≥ (above or equal to) 4 pCi/L and consider fixing it if any radon level is ≥ 2 and < (below) 4 pCi/L.

Total Population; Lung Cancer Deaths; Age-Adjusted Lung Cancer Rate (per 100,000); Lung Cancer Deaths; CDC US Cancer Statistics (2018). Estimated Radon-Induced Lung Cancer Cases; Lung Cancer Cases weighted by scaled mean radon levels; CDC Environmental Public Health Tracking Network (2008-2017); National Cancer Institute, Cancer Trends Progress Report (2022) and Productivity Costs of Cancer Mortality in the US (2018); Statewide Radon Policies; EPA Radon compilation, 2006; Pre-Mitigation Radon Tests from Labs; CDC Environmental Public Health Tracking Network (2008-2017); Existing Housing Units and New Housing Units US Census (2019); Public Schools National Center for Educational Statistics (2020-2021).

Radon Control in the Residential Code

- Developed 1993-1995 by code officials, EPA, builders
- Unchanged until 2021 code when testing requirement was added
- Minor change in 2024 code (to allow option for certain soils)
- Four changes in 2027 code:
 - Radon zone map and zone 1 county list – deleted
 - Option to follow ANSI-AARST RRNC – added
 - Cylindrical space to allow room for fan in attic – added
 - Horizontal pipe inserted on both sides of the tee fitting – added

Name Changes

- 2021 renamed Appendix AF
- 2024 renamed Appendix BE



Summary:

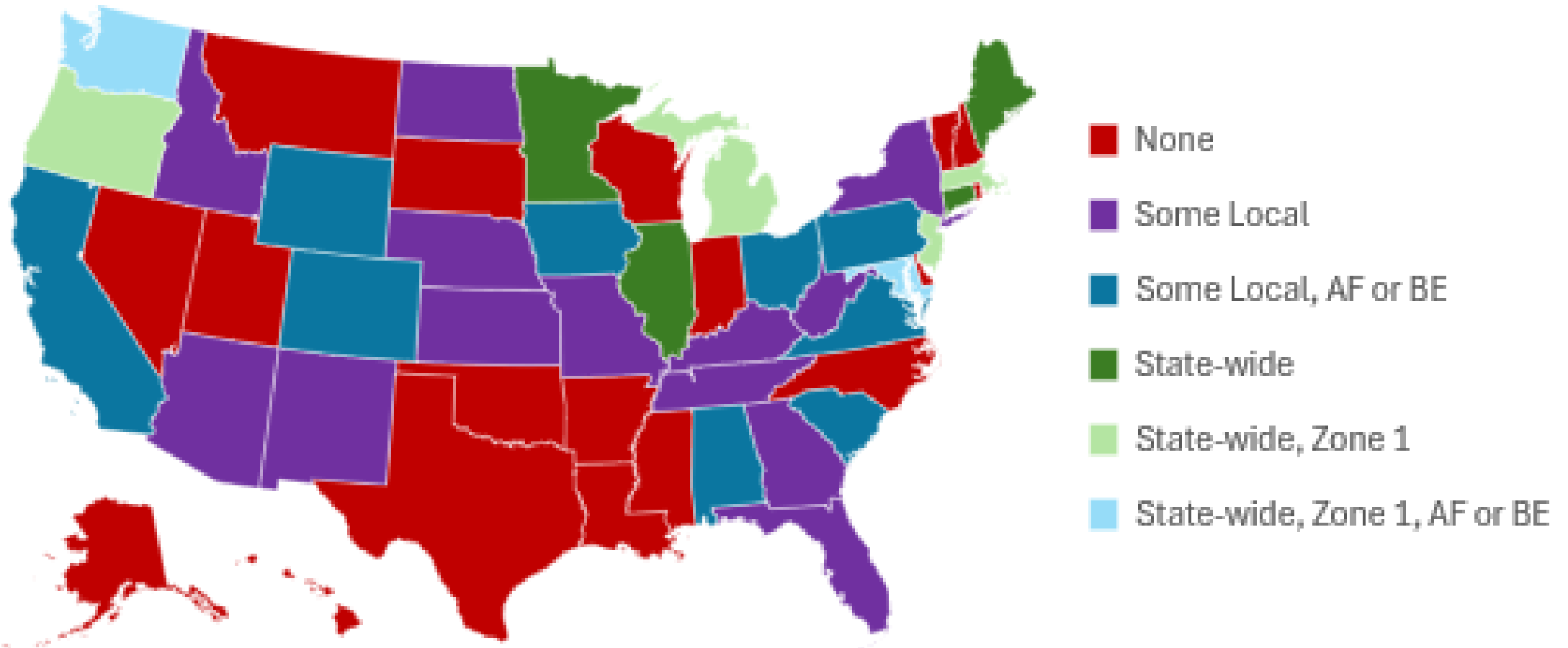
IRC Versions and the Radon Appendix

IRC Edition	Testing Requirement	Zone Map Deleted; RRNC Alternative Allowed
1995-2018 (App. F)	NO	NO
2021 (App. AF)	YES	NO
2024 (App. BE)	YES	NO
2028 (App. BE?)	YES	YES

State and Locality Adoptions: Pathway Will Vary

- State legislature enacts model code as law
 - Three states' laws created mandate to develop policy
- State legislation empowers state-level appointive body/council
 - Adopted Appendix F as written – 4 states
 - Amended Appendix F while adopting it – 2 states
 - Created its own radon control requirements - 1 state
 - Adopted obsolete ASTM E1465 standard –1 state
- Localities are authorized to adopt codes by State legislation
 - Some can vary from state version (home rule)
 - Some may only adopt state version (Dillon rule – state pre-emption)
- In some states, localities free to adopt w/o any approval

State and Local Radon Control, w/ Appendix AF or BE

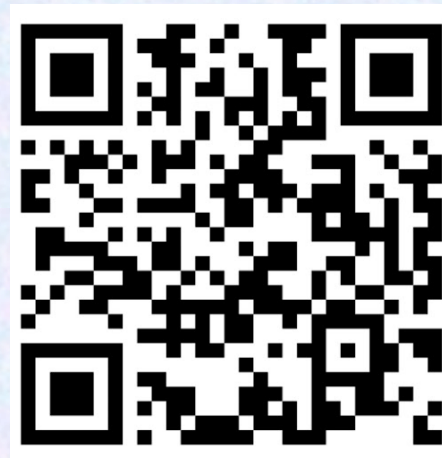


Meeting the Challenges

- Step up state / local protections for tenants
- Prompt federal (Administration/Hill) leadership
 - Business Case
 - Cross-agency initiative - connect radon to MAMA
 - Reauthorization
- Secure sufficient funding - federal & state lobbying

*New IEA Podcast

Episode 9



**Radon in Water:
The Hidden Risk**

 **THE INDOOR ENVIRONMENTS PROJECT**
by Indoor Environments Association

What Every Homeowner
Should Know

Understanding the science
of radon transfer
from water sources to indoor
air.

LISTEN NOW
IndoorEnvironments.org/Podcast

*with Dr. Uttam Saha
and Dr. Michael Kitto*

Indoor Environments 2026 Radon & Vapor Intrusion Symposium

October 5-7, Norfolk, VA



Registration is
Open Now!

EARLY BIRD PRICES
END JUNE 30TH

<https://indoorenvironments.org/symposium/>

Thank you!

- ✓ **MORE PROFIT**
Discounts, freebies, better problem avoidance, increased efficiency.
- ✓ **BETTER WORK LIFE**
Less headaches, more industry fun, know what's happening.
- ✓ **MORE LEADS**
Pick better jobs, increase your prices, grow your company.

The Benefits of an IEA Membership



Members have free access to all ANSI/AARST Standards. PDFs and searchable flipbooks are available for members in the Standards Library.

Free continuing education courses are available for Members. IEA produces podcasts and offers member-only forums and virtual meet-ups.

Plus..

- ✓ Symposium Discount
- ✓ Participation in Chapters and Government Affairs Work
- ✓ Access to Virtual Community and Networking
- ✓ Partners Program, including valuable discounts for retail and programs

and more!

Join now!

Florida Chapter

Chapter Leaders

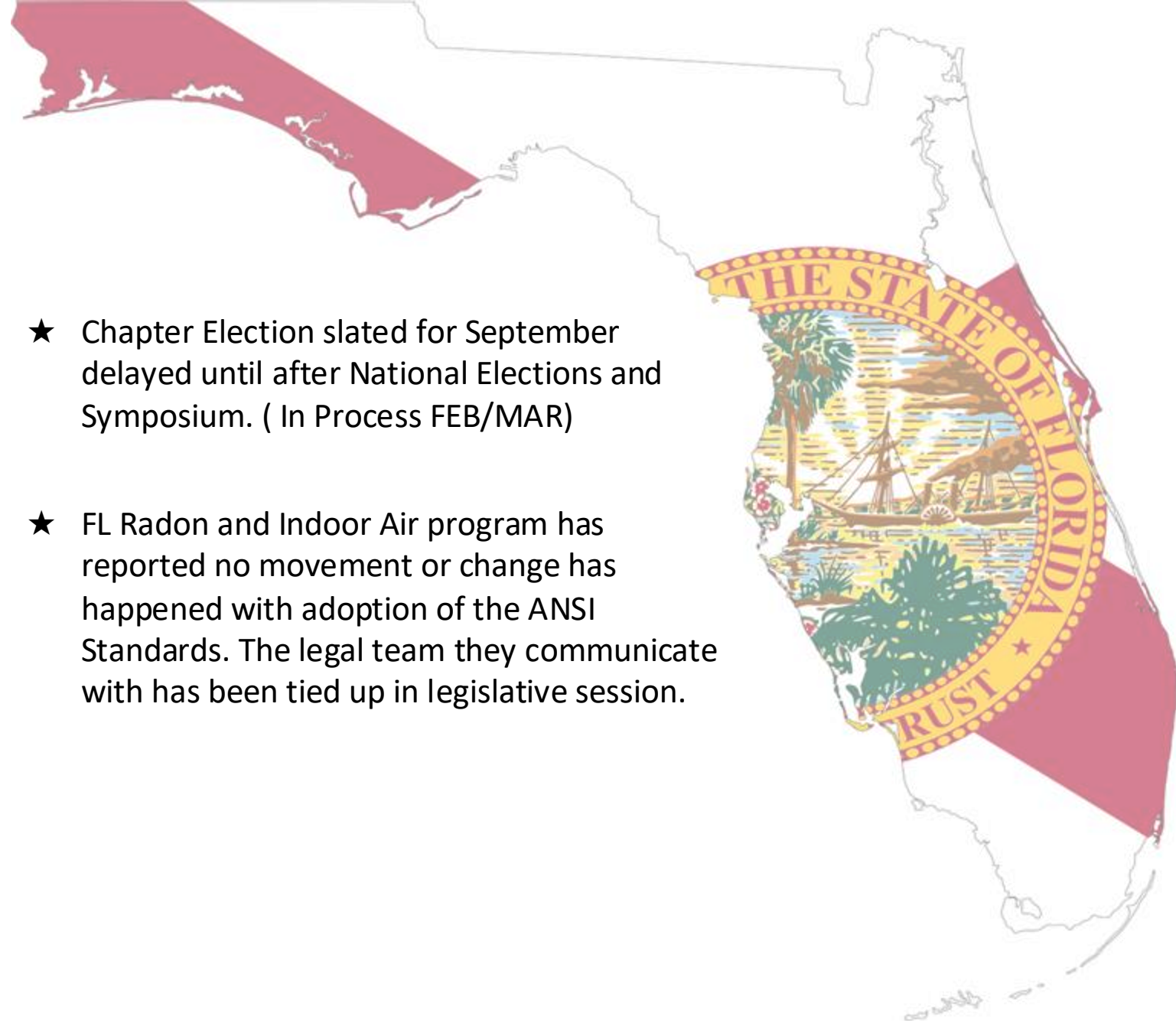
Laura Armul (President)

Dawn Oggier (Vice President)

Mark Perry (Secretary)

Robert Melendez (Treasurer)

- ★ Chapter Election slated for September delayed until after National Elections and Symposium. (In Process FEB/MAR)
- ★ FL Radon and Indoor Air program has reported no movement or change has happened with adoption of the ANSI Standards. The legal team they communicate with has been tied up in legislative session.



Kentucky Chapter

Chapter Leaders

Chapter Leadership update pending

- Chapter affiliated in Nov 2022- transitioned from KARP to “IEA - KY Chapter”
- Board of Radon Safety formed through legislation – effective date of July 2022 (radon.ky.gov)
 - 5 voting members / 2 non-voting members – 4 voting members appointed by chapter
 - Regulatory oversight of radon contractors and analytical laboratories – certification required, ANSI/AARST standards required
 - Responsible for administration of SIRG funding but transition has been a challenge
 - Improving industry oversight, accountability and consumer protections
 - VMAPPS Committee (PPC) testimony
- Upcoming and Ongoing Chapter Initiatives
 - Chapter engagement and elections
 - Develop Advocacy Strategy, Government Affairs Committee and identifying allies



North Carolina

Chapter Leaders

Myca Bruno (President)

Katie Hubicki (Vice President/ Treasurer)

Cameron Butler (Secretary)

- ★ *Board Approved as an affiliated chapter Sept 2024*
- ★ Outreach for member and industry interest
- ★ Chapter Info and interest meeting held on Aug 28
- ★ Sept 25, 2024 - Regulatory Hearing in Raleigh
 - 6 members were in attendance
- ★ Government Affairs Committee (GAC) (7 members) worked together to prepare the proposed bill for RtC legislation in NC.
- ★ Three members of the GAC met with NC Senator Phil Berger on February 12, 2025 to present the proposed bill in an effort to obtain his support.
- ★ Currently in the process of reaching out to additional representatives in NC to obtain support for the proposed bill.



Chapter Leaders

Phil McDonnell (President)

Jessi Moyle (Secretary)

Tonya Keen (Treasurer)

tn.aarst.org

Affiliated: April 2023

- Consensus among members to pursue Regulation through Certification (RtC)
- RtC draft legislation submitted to Senate Majority Leader and created legislative bill jacket
- Conducted a targeted email campaign to all TN state legislators in January.
 - Identified 4 potential Sponsors
 - 2 senators and 2 representatives
 - Goal to align with Sponsor(s) by Q2.
aarst.org/Report-Cards/TN-Report-Card.html