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INTERESTED IN HOSTING AN IN-PERSON TRAINING?

Our team of instructors and code experts are here to assist your community and local builders in complying with your locally adopted building and energy codes.

To discuss hosting an in-person training contact hope.medina@shumscoda.com for availability or possible training topics.

Centennial, Colorado: A Quiet Leader in Energy Efficiency

Tucked into the heart of the Denver metro area, the City of Centennial may not always make headlines, but its long-standing commitment to energy efficiency has positioned it as a quiet leader in the region. For years, Centennial has demonstrated that strong leadership, consistent code adoption, and partnerships with utility providers can result in meaningful, measurable outcomes for sustainability.

Chief Building Official Joseph Montoya, who has served in his role since 2021, leads the city's Building Division with a steady hand and a deep knowledge of construction and code enforcement. Under his guidance, Centennial has continued its tradition of adopting the latest International Energy Conservation Code (IECC) and International Building Codes. This ensures that the homes and commercial spaces being built today meet high standards for energy efficiency, occupant safety, and climate resilience.

"We've built a culture around best practices," says Montoya. "Our builders know what to expect, and the residents reap the benefits in comfort and lower utility bills."

Centennial's approach is rooted not only in policy but in action. The city is an active participant in Xcel Energy's Energy Codes and Standards Program, which provides technical support, education, and resources to help cities like Centennial enforce up-to-date codes. The program has become a valuable tool in Centennial's toolbox, especially as the city sees growth in both its housing market and its commercial sector.



That growth has been especially evident in recent years. As of April 2025, Centennial's median home price sits at \$635,000, and more than 540 homes were on the market—up over 16% from the previous month. This housing activity reflects both demand and development, with homes selling quickly and attracting buyers interested in energy-smart communities.

On the commercial side, Centennial's employment base reached over 66,000 workers in 2023, with a strong presence in the professional and business services sectors. The city has also welcomed new development like the Centennial Business Center, a multi-building industrial project near the airport that adds over 219,000 square feet of space to the region's inventory. Despite this steady expansion, Centennial has maintained its

values: responsible growth, energy efficiency, and a forward-thinking approach to construction. It's a model that more rapidly growing communities might do well to follow. "Our City Values Statement really is what informs our approach," says Montoya. "We are intentional in right sizing our regulations when it comes to our codes, and staying proactive in the conversation helps ensure collaboration and room for innovation for our community."

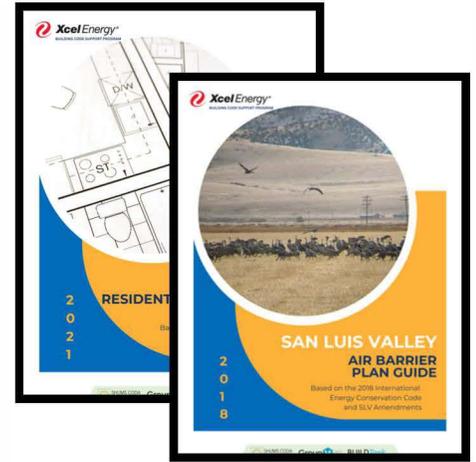
Whether it's through proactive code updates, strong partnerships with utility programs, or the steady leadership of public servants like Montoya, Centennial continues to prove that sustainability isn't just a buzzword—it's a blueprint for building better communities.



<https://www.centennialco.gov/Government/Departments/Community-Development>

AIR, WATER AND VAPOR: ASSEMBLIES 101

As Colorado jurisdictions adopt the 2021 and 2024 IECC and explore regionally tailored approaches like those used in the San Luis Valley, understanding air barriers is essential. Our Plan Guides for Air Barriers is designed to support local implementation and clarity. We have provided these in a 2024 IECC, 2021 IECC and San Luis Valley Version for communities across Colorado to use!



In Colorado's high-altitude and mixed-humid environments, strong winds and temperature fluctuations create pressure differences that drive air through cracks and seams in buildings. This movement not only wastes energy but also increases the risk of moisture damage in insulated assemblies. A continuous air barrier mitigates these effects by reducing air change rates and preserving thermal integrity across the envelope.

As energy codes evolve to require more insulation and tighter buildings, air barriers must be installed with precision—particularly when combining materials like fiberglass batts and continuous exterior insulation. The Plan Guide series of technical documents explains best practices for transitioning across materials, sealing penetrations, and meeting the performance goals of the IECC through explaining plan submittal requirements and offering a series of template details.

Left: Tyvek acting as a **water resistive barrier**. (IRC R703)

Center: Thermoply and spray foam serving as an **air barrier** behind the bathtub (IECC R402)

Right: Kraft-faced insulation acting as a **class II vapor retarder** (IRC R702)





Let's take on the Residential 2024 IECC!

Three weekly 4-hour trainings
June 10th to June 24th



2024 Residential Thermal Envelope

June 10th



2024 Residential Mechanical, Electrical & Service Water Heating Requirements

June 17th

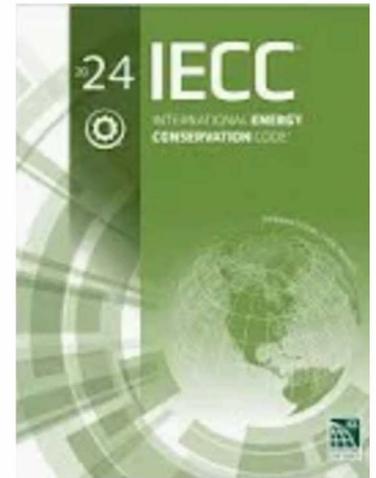


2024 Residential Energy Efficiency Packages

June 24th

Join your Xcel Program Team weekly from the comfort of your office.

Tuesday mornings weekly from 8am to noon MST



REGISTRATION



Register once and attend **one or all** of these brand new trainings

MANUAL J, S & D IN THE FIELD

**Tuesday, July 1 @ 8 AM MST, 9 AM
CST**

**Join us online for an in-depth
discussion on the requirements for
heating and cooling load calculations.**

**The 4 hour training will go over the
history of the Manual J process, break
each manual down on how to read and
interpret its content and discuss how it
impacts your inspections and in-field
compliance.**

REGISTER NOW





Upcoming Trainings

1-HR AIA & ICC CE CREDIT PROVIDED FOR EACH WEBINAR SESSION

Wednesday Webinar Series

Wednesdays, 12:00pm-1:00pm



- 6/18/25 Multi-Family: Energy Use Outside fo the Dwelling
- 7/16/25 Air, Water and Vapor Barriers: Resources and the 2024
- 8/20/25 Unusual Residential Construction and the Energy Code
- 9/17/25 Unusual Commercial Construction and the Energy Code

If you have a special training request, code questions, or are interested in hosting an in-person training session. Please let us know.

MEET YOUR INSTRUCTORS



Andre Jaen
Shums Coda Associates



Anna McCullough
Group 14



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