

Insulation Projects Increase as Property Owners Seek Lower Bills

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GIDDINGS, TX - November 06, 2025 -
H & R Spray Foam Insulation LLC, a residential and commercial insulation contractor based in Giddings, has expanded its service coverage to include additional communities throughout central Texas. The company, owned by Edith Mireles, now provides spray foam insulation installation to property owners in surrounding areas, addressing increased demand for energy efficiency improvements and thermal barrier solutions in both new construction and existing structures.

According to the U.S. Department of Energy, heating and cooling systems consume approximately 50 to 70 percent of the energy used in typical American homes. The department's research indicates that proper insulation can reduce heating and cooling costs by up to 20 percent annually. In central Texas, where summer temperatures routinely exceed 95 degrees Fahrenheit and winter conditions can drop below freezing, adequate insulation is essential for controlling energy expenses and maintaining consistent indoor temperatures throughout seasonal extremes.

"We have received consistent requests from property owners in communities outside our original service area who need professional spray foam insulation work," said Edith Mireles, owner of H & R Spray Foam Insulation LLC in Giddings. "Expanding our coverage allows us to serve more customers dealing with high energy costs and temperature control challenges in both residential and agricultural applications. The timing reflects regional construction activity and the significant number of older buildings that require insulation upgrades to improve efficiency."

According to the National Association of Home Builders, about 64% of U.S. housing units were built before 1990, when insulation standards were much lower. In rural Texas, many older homes and agricultural structures have little or deteriorated insulation. The North American Insulation Manufacturers Association estimates that about 90% of U.S. single-family homes are under-insulated by current standards.

Central Texas?s extreme weather, with summer highs near 100°F and winter lows in the teens, increases heating and cooling demands. The U.S. Department of Energy recommends attic insulation levels of R-38 to R-49 for this region?standards often met through spray foam systems. Rising energy costs have made efficiency upgrades more attractive: the Electric Reliability Council of Texas reports a 30% increase in residential electricity prices between 2020 and 2024. Insulation improvements rank among the most cost-effective energy-saving investments.

Texas continues to see strong construction growth, with over 275,000 new housing permits issued in 2023. Rural areas around Giddings also see steady demand for insulation in pole barns and agricultural buildings, which benefit from spray foam?s ability to control temperature and condensation. Texas A&M AgriLife Extension research shows proper insulation in agricultural buildings can cut heating and cooling costs by 30?50% while protecting livestock and equipment.

Uninsulated metal structures, common in the region, face major heat gain and loss. Spray foam applied to interior surfaces prevents condensation, adds structural strength, and eliminates thermal bridging. Closed-cell foam provides both insulation and vapor barrier protection, making it ideal for metal buildings and below-grade applications. Open-cell foam, though less dense, is cost-effective for attics and interior walls where vapor permeability is desirable.

As building energy codes in Texas have tightened, spray foam has become essential for meeting R-value requirements in new homes and commercial projects. The U.S. spray foam insulation market reached about billions in 2023, driven by stricter codes, higher energy prices, and greater awareness of building efficiency.

Proper installation is critical. Certified contractors follow Spray Polyurethane Foam Alliance standards to ensure correct mixing, density, and coverage. When installed correctly, spray foam maintains its R-value and air seal for 30 years or more, providing lasting energy savings and comfort.

In central Texas, spray foam not only lowers energy use but also enhances comfort by reducing drafts and temperature swings. It helps control moisture in humid conditions, protecting materials, stored goods, and equipment, making it one of the most effective long-term solutions for improving building performance in the region.

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H & R Spray Foam Insulation LLC

With 15+ years of expertise, H&R Insulation is a trusted spray foam company serving Round Rock, TX, and nearby areas. We deliver top-quality residential and commercial insulation, enhancing energy efficiency, comfort, air quality, and long-term value.

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