Mountain Heating and Cooling Showcases Advanced Hybrid Gas-Electric System Installation in Bozeman

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Bozeman, Montana - March 10, 2026 -
Mountain Heating and Cooling has completed a comprehensive case study documenting the successful installation of a hybrid gas-electric forced air system for residential clients in Bozeman, Montana. The project demonstrates the company's expertise in implementing dual fuel technology that allows homeowners to strategically manage energy costs while maintaining optimal comfort.

The installation, completed for clients Corky and Lois J. who were transitioning to retirement and downsizing to a single-level home, involved replacing an existing high-efficiency furnace and standard air conditioner with an advanced dual fuel system. The upgrade incorporated a Trane furnace with multiple stages and variable speed fan technology paired with a Mitsubishi heat pump designed to perform efficiently at low outdoor temperatures.

Mountain Heating and Cooling completed the Hybrid Gas-Electric Forced Air System Upgrade in Bozeman Montana within 16 days, addressing the clients' primary concerns about system efficiency, comfort, and resource stewardship. The project included installation of a Fantech heat recovery ventilator for improved air quality, a Trane CleanEffects air purifier, and a Navien tankless water heater to create a comprehensive home comfort solution.

"We've been installing this type of system for years with very good results in our climate. The recent change from Mitsubishi to the R454b refrigerant has allowed us to install the first of its kind right here in Bozeman, MT. for a customer who knows what to expect out of a quiet and efficient dual fuel system. This change has also boosted efficiency, capacity at low temperatures, capacity at high elevations, etc. There's never been a better time for this technology and a company who has committed to learning the ropes of these high tech systems," said Corey Johnson, President of Mountain Heating and Cooling.

The dual fuel configuration enables homeowners to leverage electric heat pump efficiency when outdoor

temperatures permit, automatically switching to gas heating during extreme cold conditions. This strategic approach provides flexibility in managing energy consumption while ensuring consistent indoor comfort throughout Montana's variable climate conditions.

Key benefits of the installed system include high-efficiency operation across all temperature ranges, significantly reduced operational noise through variable speed technology, and enhanced indoor air quality through integrated filtration and ventilation components. The system comes protected with comprehensive labor warranties matching manufacturer parts warranty terms, providing customers with protection against unexpected repair costs for the next decade.

The case study represents the third documented successful HVAC installation project Mountain Heating and Cooling has detailed for industry professionals and homeowners considering similar upgrades. The company has made the complete case study available through their website and accompanying video documentation.

Mountain Heating and Cooling has served Bozeman and Gallatin Valley homeowners and businesses since 1977, specializing in heating and cooling system installation, repair, and maintenance. The company maintains expertise across multiple equipment brands and technologies, with particular focus on energy-efficient solutions suited to Montana's high-altitude climate conditions.
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For more information about Mountain Heating and Cooling, contact the company here:Mountain Heating and CoolingCorey Johnson(406) 586-4007coreyj@mountainheating.com6693 Lynx Ln.Bozeman, MT 59718


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Mountain Heating and Cooling

Since 1977 Mountain Heating and Cooling has been providing HVAC installation and service to Bozeman and Gallatin Valley homeowners and businesses. Ours is a family business so we know that every project we do bears our name and carries our reputation.

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