



STATE WATER HEATERS ENSURES HOT WATER AT BED & BREAKFAST



In 2003, Carolyn and Richard Smith began the project of their dreams—to fully renovate a historic home into a full-service bed and breakfast inn. This large renovation project in Culpeper, Virginia, included the complete restoration of an 1830s-style plantation home, creating an elegant, yet comfortable, country residence called the Inn at Redwood.

The Smiths wanted the Inn at Redwood to not only be a retreat for weary travelers, but a space in which families and friends could celebrate and host important events. The 7,000-square-foot home was specifically designed to host weddings, corporate training seminars, church events, and other social functions, and it can accommodate up to twelve overnight guests. The Inn at Redwood contains six bedrooms, two powder rooms, a commercial-style kitchen, and six full baths—four of which have jacuzzis.

"We want the inn to be a destination of relaxation for our guests, an ideal and worry-free place to be," stated Carolyn. "We want to provide the ultimate in comfort to make sure guests enjoy their stay and come visit us again."

In 2007, the Smiths needed to install a new water heater, as their old propane unit could not be adapted to suit a natural gas source. As they began investigating the appropriate replacement unit, the Smiths became interested in new tankless technologies. They believed that a tankless unit might be able to deliver a continuous and instant supply of hot water, while taking up little space.

While the tankless unit is popular and offers some new technology, the Smiths soon realized that a tankless water heater was not the best option to support the hot water needs of the Inn at Redwood. With the help of Jacob Judy, a Ferguson contractor in Culpeper, the Smiths chose to install a State Premier® Power-Vent unit.

"The Premier Power-Vent water heater from State was well equipped to meet the hot water needs of the Inn," stated Judy. "The demands of the jacuzzis, bathrooms, and kitchen at peak times required far more hot water than what a standard tankless unit is suited to deliver."

The Premier Power-Vent is a gas residential water heater that is 90 percent thermally efficient and features a 127-gallon first hour delivery and a 92-gallon recovery. At the heart of the unit's design is an internal "helical coil" heat exchanger with more surface area exposed to water in the tank than a standard straight vertical flue tube. The increased heat transfer surface area—combined with the length of the coil—enables the Premier Power-Vent to utilize 76,000 BTU input while keeping heat energy inside the tank longer. Higher input with more efficient combustion produces much more hot water, with lower operating costs.

Before they learned of the State Premier Power-Vent, the Smiths were planning on installing multiple tankless units. However, just one of these units from State has been able to supply enough hot water for the Inn's guests.

"We never have run out of hot water," remarked Carolyn. "We are confident that guests can get enough hot water when they need it, thanks to the Premier Power Vent."



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For more than 60 years, State Water Heaters has built dependable, long-lasting water heaters for commercial and residential applications. State remains focused on manufacturing durable products that last longer. For more information, visit www.statewaterheaters.com.

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