

## Summary of Installation of a 4-ton EarthLinked® System in a 2,600 sq. ft. Single-Family Home

Installation Year: 2002 / reporting 5 years of performance  
([real-time usage statistics available online](#))

Location: Wilmore, Kentucky

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In 2002, Jim Oswald of Wilmore, Kentucky installed a 4-ton EarthLinked system in his new 2,600 square foot home, using 5-ton horizontal (H5) earth loops.

The unit provides heating and cooling, plus water heating via a Domestic Water Module (DWM) and desuperheater. The 85-gallon hot water tank has an electric heating element for stand-by and "top-off" heating.



*Mr. Oswald says, "I have been quite happy with the EarthLinked unit and believe very much in the value of the product."*

The total electric cost for the home from November 2002 through November 2008 averages \$74.55 monthly. The highest monthly heating bill is \$125, and the summer cooling bill is only \$75.

The system relies heavily on the use of the desuperheater for water heating while the system operates in the cooling mode. Through the use of a timer, power to the water heater electric element is interrupted until 5:30 am to allow the unit to store hot water during the evening hours. In winter mode, the elements are energized at midnight so the water heater can be energized during the evening hours after the house thermostat has changed to its nighttime setting.

Real-time usage statistics recorded by Mr. Oswald can be viewed on his website at:

<http://jboswald.net/instats.html>