

ZERO NET ENERGY HOME

EVANS, COLORADO

Atmos Energy is partnering with Greeley-Weld Habitat for Humanity and the Schlessman Family Foundation to build a natural gas-powered Zero Net Energy (ZNE) home in Evans, Colorado, which will demonstrate that natural gas is both affordable and reduces greenhouse gas emissions significantly.



Mission

The mission of this Habitat for Humanity ZNE project is to provide a deserving family with an energy-efficient and comfortable home that also leverages natural gas and renewable energy to meet Colorado's climate goals while lowering utility bills.

About the Home

- 1,508 square feet
- 5 bedrooms
- 2 bathrooms
- Rinnai tankless water heater (gas)
- Rinnai hydronic air handler (gas)
- R-53 attic insulation; R-34 wall insulation
- U-value .25, SHGC .23 windows
- 7 kW of solar photovoltaic panels

What is a Zero Net Energy home?

A ZNE home demonstrates significantly reduced greenhouse gas emissions by producing as much energy as it consumes over the course of a year with a rooftop photovoltaic solar system, high-efficiency ENERGY STAR natural gas appliances, top-rated insulation and windows, and other advanced weatherization features.

How does natural gas help Colorado achieve clean emissions goals?

Natural gas is a clean and efficient energy that partners well with renewables to produce fewer greenhouse gas emissions than an all-electric home. This sustainably built and energy-efficient home meets the state's goals of reducing greenhouse gas emissions by using a balanced energy approach.

What are the expected energy bills?

Preliminary energy reports estimate the average monthly utility bill will be less than \$50 dollars for gas and electricity combined, allowing Ms. Rodriguez peace of mind when balancing her family budget.

The Rodriguez Family

Franky Rodriguez is a hard-working single mother who is raising her four children that includes her adult son with special needs and one grandchild. She has been renting an apartment for 30 years and considers this home to be a dream come true.

