

# LEED for Homes Project Snapshot

**Trowbridge Homes  
Duvernoy Residence  
Ann Arbor, Michigan  
LEED SILVER**

**33%** Expected Energy Savings  
Based on HERS Score

**41%** Expected Water Savings  
Based on WE Credit Score



Photo Courtesy of: David Eifrid

## STRATEGIES AND RESULTS

This home dramatically reduces its HVAC energy requirements by using airtight building principles. This home utilized geothermal forced air cooling and geothermal hydronic heating to further reduce HVAC consumption.

- Whole house HEPA filtration system
- Heat Recovery Ventilation System
- Energy Star Lighting and Appliances
- Advanced Building Envelope Techniques
- Sustainable Building Materials

## EXEMPLARY PERFORMANCE

"We achieved exemplary performance in landscape design by greatly reducing irrigation needs. We used all drought tolerant species and grasses and installed a rainwater harvesting system."

## LEED™ Facts Duvernoy Residence



LEED for Homes  
Certification Awarded Feb 2011

**Silver 69.5\***

Innovation in Design 2/11

Location & Linkages 7/10

Sustainable Sites 14/22

Water Efficiency 6/15

Energy & Atmosphere 17.5/38

Materials & Resources 11/16

Indoor Environmental Quality 14/21

Awareness & Education 2/3

\*Out of 136 possible points

## PROJECT BASICS

Project Type	Single Family
Conditioned Space	5018 sq ft
Bedrooms	5
Bathrooms	5
Lot Type	Edge
Construction Type	New Construction

## KEYS TO SUCCESS

HVAC Type	Geo-Thermal
Window U Value	.30
Air Filtration	HRV/HEPA
Lighting	Energy Star

## THE LEED FOR HOMES DIFFERENCE

Construction Waste Management Plan	<input checked="" type="checkbox"/> YES!
On-Site Performance Tests	<input checked="" type="checkbox"/> YES!
Custom Durability Planning Checklist	<input checked="" type="checkbox"/> YES!
Third-Party Verified Documentation	<input checked="" type="checkbox"/> YES!

## About the Project Team

David Eifrid of Greenlife Building LLC, acted as LEED AP and Team Captain on this project. Alexandar V Bogaerts and Associates, P.C were the Architects, Dave Moran of Michigan Heat LLC was the Green Rater. Steve Pozzi was the superintendent with Trowbridge Homes. Michigan Energy services were the HVAC installers and David Czesewski assisted with the submittals.

## LEED for Homes Provider

AES

## About LEED for Homes

LEED for Homes is a voluntary, third-party certification program developed by residential experts and experienced builders. LEED promotes the design and construction of high-performance green homes, and encourages the adoption of sustainable practices throughout the building industry.



[www.usgbc.org/homes](http://www.usgbc.org/homes)

The information provided is based on that stated in the LEED® project certification submittals. USGBC does not warrant or represent the accuracy of this information. Each building's actual performance is based on its unique design, construction, operation, and maintenance. Energy efficiency and sustainable results will vary.