

## Window Product Selection Tool

The Efficient Windows Collaborative, the leading organization educating consumers and others about windows and energy efficiency launched its new *Window Selection Tool*, a web-based database that links consumers from location-specific recommendations to products that meet the energy-efficiency specifications described on the EWC website. Beginning in November, the EWC made the *Window Selection Tool* available to consumers in a one-year pilot project.

The *Window Selection Tool* program assists consumers who visit the EWC web site in learning more about energy efficient products. After choosing their state from the "How to Select an Energy Efficient Window" tab, consumers can compare the energy performance of over 30 generic window product types. Once they identify the right generic product type for their needs, they can click through to a list of available energy efficient products that match the given product type performance. The EWC, a project of the Alliance to Save Energy, is dedicated to helping consumers and builders choose the most energy efficient products. Their educational web site, [www.efficientwindows.org](http://www.efficientwindows.org), has over 40,000 visitors monthly. Through this and other media efforts, they have reached over 15 million consumers in the past year.

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WINDOW SELECTION TOOL | WINDOW TECHNOLOGIES | BENEFITS

Detroit, Michigan

**ENERGY STAR® Properties:**  
U-Factor  $\leq .35$

**Energy Costs**  
Natural Gas: \$0.726/therm  
Electricity: \$0.083/kWh

**Window Search**  
Select Glass: [All glass types]  
Select Frame: [All frame types]  
ENERGY STAR®: Yes   
Construction Type: New  Existing   
Product Type: Windows  Skylights   
Search for Windows

**Michigan Factsheet**

| Window Types   | Properties                        | Annual Energy Use | Costs                                       | ENERGY STAR® Qualified              | Manufacturer Information |
|--|-----------------------------------|-------------------|---|-------------------------------------|--------------------------|
| Window 33<br><b>Triple-glazed with Moderate-Solar-Gain Low-E, Argon Gas Insulated Vinyl or Fiberglass</b>          | U = .18<br>SHGC = .40<br>VT = .50 |                   | Heat= \$ 497<br>Cool= \$ 35<br>Total=\$ 532 | <input checked="" type="checkbox"/> | <a href="#">Products</a> |
| Window 22<br><b>Double-glazed with High-Solar-Gain Low-E, Argon Gas Wood, Wood Clad, Vinyl or Hybrid/Composite</b> | U = .37<br>SHGC = .53<br>VT = .54 |                   | Heat= \$ 552<br>Cool= \$ 45<br>Total=\$ 597 | <input type="checkbox"/>            | <a href="#">Products</a> |
| Window 24<br><b>Double-glazed with Low-Solar-Gain Low-E, Argon Gas Wood, Wood Clad, Vinyl or Hybrid/Composite</b>  | U = .34<br>SHGC = .30<br>VT = .51 |                   | Heat= \$ 593<br>Cool= \$ 24<br>Total=\$ 617 | <input checked="" type="checkbox"/> | <a href="#">Products</a> |
| Window 19<br><b>Double-glazed Clear Wood, Wood Clad, Vinyl or Hybrid/Composite</b>                                 | U = .49<br>SHGC = .56<br>VT = .59 |                   | Heat= \$ 594<br>Cool= \$ 46<br>Total=\$ 640 | <input type="checkbox"/>            | <a href="#">Products</a> |
| Window 16<br><b>Double-glazed with Low-Solar-Gain Low-E, Argon Gas Aluminum with Thermal Break</b>                 | U = .47<br>SHGC = .33<br>VT = .55 |                   | Heat= \$ 640<br>Cool= \$ 25<br>Total=\$ 665 | <input type="checkbox"/>            |                          |
| Window 11<br><b>Double-glazed Clear Aluminum with Thermal Break</b>  | U = .63<br>SHGC = .62<br>VT = .63 |                   | Heat= \$ 635<br>Cool= \$ 50<br>Total=\$ 685 | <input type="checkbox"/>            |                          |

Note: The annual energy performance figures shown here were generated using RESFEN for a typical (new or existing) 2000 sq. ft. house with 300 sq. ft. of window area (15% of floor area). The windows are equally distributed on all four sides of the house and include typical shading (interior shades, overhangs, trees and neighboring buildings). U-factor, SHGC, and VT are for the total window including frame. Energy use and savings between different window options will typically be higher for homes which are not as well insulated as typical new homes. The costs shown here are annual costs for space heating and space cooling only and thus will not correlate to utility bills. Costs for lights, appliances, hot water, cooking, and other uses are not included in these figures. The mechanical system uses a gas furnace for heating and air conditioning for cooling. These figures are based on typical energy costs for this region. Natural gas prices and electric prices are provided by the Energy Information Administration ([www.eia.doe.gov](http://www.eia.doe.gov)).

### Annual Energy Use for Different Types of Window for a City/State

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WINDOW SELECTION TOOL WINDOW TECHNOLOGIES BENEFITS

Detroit, Michigan

**ENERGY STAR® Properties:**  
U-Factor ≤ .35

**Energy Costs**  
Natural Gas: \$0.726/therm  
Electricity: \$0.083/kWh

**Window Search**  
Select Glass: Double Clear  
Select Frame: Wood Clad  
ENERGY STAR®: Yes   
Construction Type: New  Existing   
Product Type: Windows  Skylights   
Search for Windows

**Michigan Factsheet**

**Window Types**  
Window19  
Double-glazed Clear  
Wood, Wood Clad, Vinyl or Hybrid/Composite

**Properties**  
U = .49  
SHGC = .56  
VT = .59

**Annual Energy Use**  
Heat= \$ 594  
Cool= \$ 46  
Total= \$ 640

**Costs**

**ENERGY STAR® Manufacturer Qualified Information**

Note: The annual energy performance figures shown here were generated using RESFEN for a typical (new or existing) 2000 sq. ft. house with 300 sq ft of window area (15% of floor area). The windows are equally distributed on all four sides of the house and include typical shading (interior shades, overhangs, trees and neighboring buildings). U-factor, SHGC, and VT are for the total window including frame. Energy use and savings between different window options will typically be higher for homes which are not as well insulated as typical new homes. The costs shown here are annual costs for space heating and space cooling only and thus will not correlate to utility bills. Costs for lights, appliances, hot water, cooking, and other uses are not included in these figures. The mechanical system uses a gas furnace for heating and air conditioning for cooling. These figures are based on typical energy costs for this region. Natural gas prices and electric prices are provided by the Energy Information Administration ([www.eia.doe.gov](http://www.eia.doe.gov)).

Annual Energy Use for a Particular Window Type

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WINDOW SELECTION TOOL WINDOW TECHNOLOGIES BENEFITS

Detroit, Michigan

**Window19**  
Double-glazed Clear  
Wood, Wood Clad, Vinyl or Hybrid/Composite

U = .49  
SHGC = .56  
VT = .59

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| Manufacturer   | Product Line | U-factor | SHGC | VT   | AL |
|--|--------------|----------|------|------|----|
| Alside, Inc. from Associated Materials Inc.<br><a href="http://www.alside.com">http://www.alside.com</a> | Model 0202   | 0.48     | 0.55 | 0.57 |    |
|  | Model 0522   | 0.48     | 0.51 | 0.53 |    |
|  | Model 0601   | 0.46     | 0.54 | 0.56 |    |
|  | Model 0602   | 0.46     | 0.51 | 0.53 |    |
|  | Model 0951   | 0.45     | 0.53 | 0.55 |    |
|  | Model 0971   | 0.45     | 0.53 | 0.55 |    |

Disclaimer: Manufacturers have agreed that products listed here meet the energy performance requirements of the Efficient Windows Collaborative and have been tested and certified according to [NFRC](#) standards.

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Annual Energy Use for a Particular Product