

Financial Opportunities for Home Energy Improvements

A guide for Southeast Michigan homeowners



bridging needs. advancing change.

Introduction



So you've decided to make some energy efficient improvements to your home.

That's great!

Now how are you going to pay for it?



Outline



Financial opportunities in Southeast Michigan

- **Low-cost energy audits**
- Income-eligible household opportunities
- Utility incentives
- Tax incentives
- Financing

Low-cost energy audits



DTE's *Your Energy Savings*



- Option 1: Free *MyEnergy Analyzer*
 - Online tool that includes a free \$25 efficiency kit
- Option 2: In home energy survey - \$25
 - Includes professional inspection and recommendations
- Options 3 and 4: Comprehensive energy audit and HERS (Home Energy Efficiency Rating)
 - More expensive options that allow full rebates (up to \$1350) on improvements

<http://www.dteenergy.com/residentialCustomers/saveEnergy/>

Low-cost energy audits



<http://www.cec-mi.org>

Contact Nick Helmholdt for more information about
Clean Energy Coalition residential energy audits

(734) 585-5720 ext 13

nick@cec-mi.org

Outline



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- **Income-eligible household opportunities**
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For income-eligible households



Washtenaw County Weatherization Program

- Free energy-saving repairs, including:

Furnace and water heater inspection and repair	Refrigerator inspection and replacement
Insulation	Caulking and weatherstripping

Washtenaw Rehabilitation Program

- low-interest deferred loan up to \$15,000 for energy efficiency improvements

Energy audits	Windows	Air sealing
Energy Star appliances	Doors	Water saving devices
Lighting	HVAC	Insulation



<http://www.ewashtenaw.org/government/departments/etcs/Weatherization/weatherization>

For income-eligible households



DTE Energy Efficiency Assistance Program

- direct assistance with:
 - weatherization and insulation
 - installing energy efficient lighting
 - replacing inefficient refrigerators and furnaces

DTE Energy



<http://www.dteenergy.com/residentialCustomers/saveEnergy/rebates/energyAssistance/assistanceProgram.html>

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Utility incentives



DTE's incentive package is multilayered and goes to a maximum of \$1350

DTE Energy



Sealing and insulation rebates

Measure	Rebate
Air Sealing	\$0 - \$100
Basement Wall Insulation	\$50 - \$100
Bandjoist Insulation	\$50 - \$100
Above Grade Wall Insulation	\$125 - \$250
Ceiling or Attic Insulation	\$125 - \$250
Window Replacement	\$150 - \$300
Floor / Crawl Space Wall Insulation	\$50 - \$100
House Maximum	\$500 - \$1,350

Water heater rebates

Equipment Type	Rebate	Customer Eligibility
Super High Efficiency Natural Gas Water Heater EF .67 or higher	\$75	MichCon customers only
Tankless Natural Gas Water Heater EF .82 or higher	\$100	MichCon customers only

Furnace rebates

Equipment Type	Rebate	Customer Eligibility
95% AFUE natural gas furnace	\$200	MichCon customers only
92% AFUE natural gas boiler	\$250	MichCon customers only
Programmable Thermostat	\$10	MichCon customers only

Clothes washers rebates

Customer Rebates	Rebate Amount
Detroit Edison Customer	\$25
MichCon Customer**	\$25
Both Detroit Edison and MichCon Customer	\$50

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Tax Incentives



Residential Energy Efficiency Tax Credit

- Personal tax credit covers 10% of cost of EE upgrades up to \$500
- Some improvements are capped at lower amounts
- Expires December 31, 2011



2011 Federal Residential Energy Efficiency Tax Credit		
Eligible Improvement	Max Credit	Requirements
Biomass stoves	\$300	≥ 75% thermal efficiency
Advanced main air circulating fan	\$50	Must use no more than 2% of furnace energy
Air source heat pump	\$300	SEER ≥ 15
Central Air Conditioning	\$300	SEER ≥ 16
Boiler	\$150	AFUE ≥ 95
NG, oil or propane furnace	\$150	AFUE ≥ 95
Insulation and air sealing	10% up to \$500	Credit does not include installation costs
Reflective roofs	10% up to \$500	Must meet ENERGY STAR requirements
Gas, oil or propane water heater	\$300	Energy Factor ≥ 0.82
Electric heat pump water heater	\$300	Energy Factor ≥ 2.0

Tax Incentives



Residential Renewable Energy Tax Credit

- Covers up to 30% of cost of renewable energy system
- No upper limit
- Expires December 31, 2016



2011 Federal Residential Renewable Energy Tax Credit		
Eligible Improvement	Max Credit	Requirements
Geothermal heat pump	30%	Closed Loop: EER \geq 14.1; credit includes installation
Small wind turbines	30%	\leq 100 kW
Solar thermal	30%	Heating swimming pools or hot tubs not applicable
Solar PV	30%	Provides electricity for residence
Fuel cells	30% of the cost, up to \$500 per .5 kW of power capacity	Efficiency of at least 30% and must have a capacity of at least 0.5 kW

Tax Incentives



Michigan Energy Efficient Home Improvement Tax Credit

- Covers up to 10% of cost of efficiency improvements
- Up to \$75 for single filers, \$150 for joint filers
- Income eligibility: must earn \leq \$37,500 for single filers, or \leq \$75,000 for joint filers
- Expires December 31, 2011



Covers these Energy Star level improvements:

- insulation
- water heaters
- furnaces
- windows
- refrigerators, clothes washers, and dishwashers

Conclusion



Thank you

