

2016 Agriculture Program and Incentives



Sean McCoy Outreach Account Manager



Agenda

- Program Overview
- Special Offers
- 2016 Agriculture Program
- Designated Trade Allies





The impact of saving energy

- Our customers have realized savings of:
 - 13 million Mcf in natural gas.
 - 5,000 GWh in electricity.
 - \$400 million in total energy costs.

These energy savings translate into 4 million tons of CO₂ not being pumped into the atmosphere.

^{*}Household data based on estimates from the U.S. Energy Information Administration. *CO2 calculations based on U.S. Environmental Protection Agency guidelines.



For a customer to receive incentives

- Qualified measures must be installed at facilities served by DTE Energy.
- Projects must involve a capital investment that results in an improvement in energy efficiency of a system or building.
- The equipment installed must be new and meet the specifications spelled out in the Catalog.
- For each site, there must be at least one meter that is on an eligible rate schedule.
- You must be in good standing with DTE Energy. The Agriculture Program is designed so residential rate code customers may apply.



These do not qualify for an incentive

- Customers who self-direct (and have opted out of the program)
- Load shifting/demand limiting projects.
- Renewable energy projects.
- Power quality improvements.
- Fuel switching projects.
- On-site electricity generation.
- Changes in operational and/or maintenance practices or simple control modifications that do NOT involve capital costs.



Special Offers

Special Offers



Financing from Michigan Saves

- 0% financing on up to \$50,000 for up to 36 months
- 2.99% financing on up to \$150,000 for up to 60 months
- 1.99% financing on up to \$150,000 for up to 60 months for municipalities and K-12 schools

ENERGY EFFICIENCY DTE Enerav PROGRAM FOR BUSINESS Know Your Own Power 2016 Michigan Saves Offer Get 0% financing on your next project michigan when you apply for DTE Energy incentives DTE Energy - in partnership with Michigan Saves - is offering 0% financing on up to \$50,000 for an energy efficiency project that receives prescriptive measure incentives through its Energy Efficiency Program for Business. Who is Michigan Saves? Simply indicate below that you've applied for financing through Michigan Saves and attach this form to your incentives Application Michigan Saves is a non-profit organization dedicated to making energy To qualify for financing through Michigan Saves, you must use a Michigan Saves-authorize mprovements easier for all Michigan contractor. To find one, visit michigansaves.org. energy consumers by offering affordable financing and other incentives available How to apply through grants and partnerships with 1. Is your project pre-approved for financing through Michigan Saves? YES: Then complete this worksheet and include it with your Reservation Application for incentives through DTE's Energy Efficiency Program for Business.

NO: Then contact Michigan Saves, find an authorized Michigan Saves contractor and get pre-approved. Why Michigan Saves? Easy: Time is money in a small business. That's why we have someone to walk you 2. Download the latest version of our Application and submit it as your Reservation through the process so you spend less energy on a hazzle-free credit approval and 3. Once Michigan Saves approves financing and you have a Reservation Letter from DTE, more energy on your business. vou have 90 days - or until Nov. 30, 2016, whichever is first - to complete the project. Affordable: We understand the margins on 4. DTE pays the incentive after the Final Application has been submitted within 60 days of your business are never as big as they need completion of the project to be. That's why we work hard to make sure the return on your energy investment Important Notes begins to pay off as fast as possible. In * If the project listed on your Application to Michigan Saves involves appyling for incentives from some cases, the return on your investment can be as soon as one year another utility in addition to applying for incentives from DTE Energy, you must indicate that below • The \$50,000 financing limit applies to the entire project; it will not double if you receive incentives is an investment in your business that will lower operating costs and utility bills. bottom of this form, I hereby authorize DTE Energy and/or its designees to discuss with the other utility both o To get started, find a Michigan Saves-authorized contractor at michigansaves.org Total incentives requested from the other utility: S. **Customer Information** Name of Customer's Business Name of Rosines NOTE: The infor

This Worksheet can be downloaded at: dtetradeally.com





Agriculture Program

- A special package of measures and incentives designed for Michigan's agricultural and dairy farmers and commercial greenhouse owners including those on both residential and commercial rate codes.
- Incentives are available for upgrades in areas of: irrigation systems, refrigeration, lighting, dairy equipment, grain dryers, greenhouse equipment and fans and pumps.
- Conditions apply.

The Fact Sheet and Application can be downloaded at: dtetradeally.com

ENERGY EFFICIENCY PROGRAM FOR BUSINESS



FACT SHEET

2016 Agriculture Incentive Program

Michigan's farms are the backbone of one of the most important sectors of our state's economy – and DTE Energy is reaching out to Michigan farmers to help them save energy and money in their operations.

Through its Energy Efficiency Program for Business, DTE has put together energy efficiency measures that are among the most common found on Michigan agricultural and dairy farms and in commercial greenhouses.

The Agriculture program is part of the DTE Energy Efficiency Program for Business, but is designed so that residential rate code customers also can apply.

Using a special Application, Michigan farmers can apply for cash incentives that will help pay for equipment upgrades in areas of irrigation systems, refrigeration, dairy equipment, grain dryers, lighting, greenhouse equipment and fans and pumps. (For a complete list, see the reverse side.)

We've made the application process as easy as possible for those who get up early and stay up late feeding our nation.

The Application provides detailed descriptions of each energy-saving measure and worksheets that will automatically calculate the incentives farmers can receive for installing those measures.



To get started, contact our office today by calling 866.796.0512 (press Option 3 and ask about our Agriculture program) or email us at saveenergy@dteenergy.com.

We can walk you through the Application process, explain the specifications behind each measure and ensure that your farm is more energy efficient than ever!





Agriculture Program

New: Farm Energy Audit

- Incentives are available for an audit of a facility that operates primarily as an agricultural business.
- Audit must be a tier II energy audit as defined by the US Department of Agriculture.



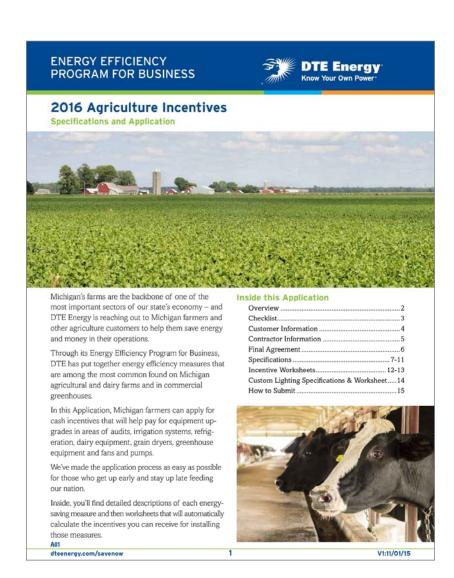
The Fact Sheet and Application can be downloaded at: dtetradeally.com



How does it work?

A farmer:

- 1. Downloads the Application.
- 2. Reviews measures that apply to his/her operations.
- 3. Reviews measure specifications to ensure compliance with the program.
- 4. Submits a Reservation Application
 - If required* Strongly encouraged.
- 5. Awaits a letter to proceed.
- 6. Installs the measures.
- 7. Submits a Final Application.
- 8. Receives the incentive check.



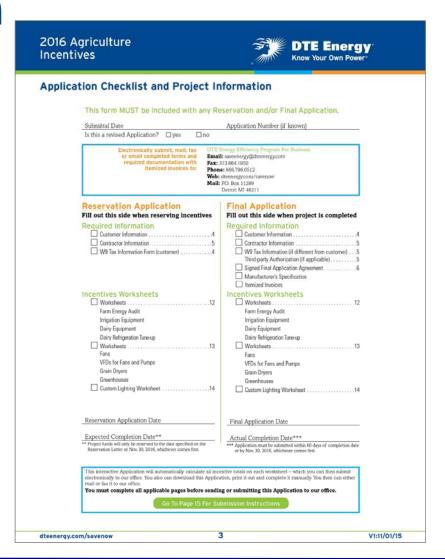
^{*}Required for lighting incentives



Agriculture Application

The same Application can be used as both a **Reservation** and **Final** Application.

- Some measures require a Reservation prior to starting work.
 - See specifications for details.
- A **Final** Application is submitted once the work is completed.
 - It must be submitted within 60 days of project completion.
- The Application is an interactive PDF.



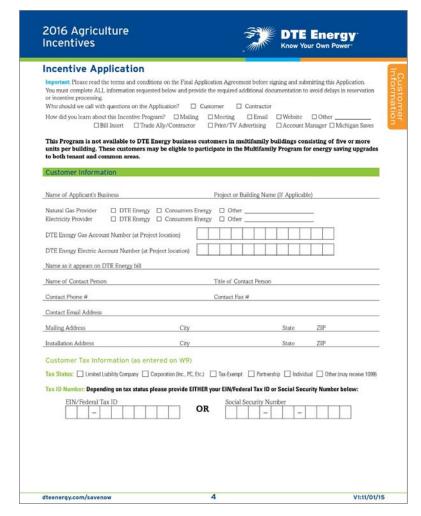
Agriculture Incentives



Agriculture Application

There are four sections to the Application:

- Customer-contractor-project information
- 2. Measure specifications
- 3. Incentive worksheets
- 4. Electronic submission

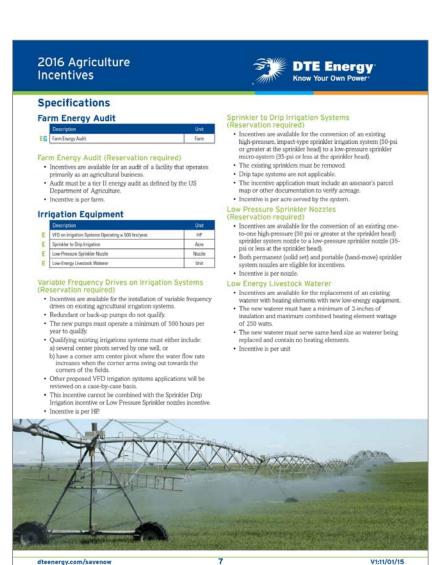




Agriculture Measures

There are eight areas of measures being offered:

- 1. Farm Energy Audit
- 2. Irrigation Systems
- 3. Dairy Equipment
- 4. Fans
- 5. VFDs for Fans and Pumps
- 6. Grain Dryers
- 7. Greenhouses
- 8. Lighting





Agriculture Lighting

- A Reservation Application is required.
- Must result in a permanent reduction in kWh usage due to increased system efficiency.
- Must be part of an agricultural process.
- Is not allowed for personal or residential use.
- Must have a minimum of 2,000 hours of annual operation.

2016 Agriculture Incentives



Custom Lighting Specifications and Worksheet (Reservation Required)
Reservation Applications must be submitted for all lighting projects while the existing equipment is still in operation
so that existing conditions (base case) can be verified. All Final Applications MUST include manufacturers' equipment
specification sheets

- Reservation Applications must be submitted for all lighting projects while the existing equipment is still in operation so that existing conditions (base case) can be verified.
- All Final Applications MUST include manufacturers' equipment specification sheets
- Lighting projects must involve a lighting improvement that results in a permanent reduction in electrical (kWh) energy usage due to an increase in system efficiency.
- Projects that result in reduced energy consumption without an improvement in system efficiency are not eligible for a custom incentive.
- Lighting must be used as part of the agriculture process; this
 measure is not allowed for personal/residential use.
- Lighting hours must have a minimum of 2,000 annual hours of operation to apply for this measure.
- Incentive is ner kWh saved



Requirements for Lighting Project Savings Calculation:

- The annual electricity savings must be calculated for lighting projects using industry accepted engineering algorithms or simulation models. The applicant must estimate the annual electricity usage of both the existing and proposed equipment based on the current operation of the facility.
- If the existing equipment is at the end of its useful life, the applicant must substitute equipment that would meet the applicable federal and local energy codes when calculating the annual energy savings.
- The applicant must be able to clearly describe the method used to calculate the savings. The applicant must provide all assumptions used in the calculations and justify or cite a precedent for the assumptions.
- Acceptable methods of determining lighting project energy savings include detailed calculations, equipment or subsystem metering and/or a building energy model. DTE Energy will review the Application and is solely responsible for the final determination of the annual energy savings to be used in calculating the incentive amount.
- DTE Energy may need to conduct inspections both before and after the retrofit projects to verify equipment and operation conditions. DTE Energy also reserves the right to require specific measurement and verification activities, including monitoring, both before and after the retrofit, and to base the incentive payment on the results of these activities.

Brief Description of Pre- and Post-Fixtures	Annual Hours of Operation (A)	Pre-U # of Fixtures (B)		lpgrade kW/Foture (E)	Total kWh Reduced Ax ((B x C) - (D x E)) = (F)	Incentive SkWh (G)	Total Incentive (FxG)
						\$0.07	
						\$0.07	
						\$0.07	
						\$0.07	
						\$0.07	
	1 1		8 6	3 - 3		\$0.07	
	A S			7		\$0.07	
						\$0.07	
						\$0.07	
						\$0.07	
						\$0.07	

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Final Agreement

Once the project is completed, submit your Final Application:*

- Confirm the incentive values carried in from the worksheets to the summary (D).
- 2. The **Customer** signs the Final Application Agreement (**E**).
- 3. Go to Page 13 and "submit."

The Final Application must be submitted within 60 days of project completion

2016 Agriculture Incentives



Final Application Agreement

The energy optimization measures listed within are being/have been installed in a qualifying time frame, at a qualifying facility and are not for resale Additional Program terms and conditions can be found in the Policy and Procedures Manual available at dietenergy.com/savenow.

I understand that in the event this Application received a reservation, that reservation is not a guarantee of payment. Incentive payment will be based upon the Final Application meeting the Program terms and conditions, and the availability of funds.

Selected terms and conditions include:

- Final Applications and all required documentation must be received within 60 days of project completion or by Nov. 30, 2016, whichever
 comes first. Incomplete Applications, missing documents or Applications submitted after that date will result in the project being cancelled
- The Program has a limited budget. Applications will be processed until allocated funds are reserved or spent.
- 3. All equipment must be purchased and installed prior to submitting the Final Application.
- Applicant agrees to inspection and measurement activities by DTE Energy or its representative of both project payment and equipment installation for up to five years from the date of equipment installation.
- Incentives may be taxable and the Applicant is solely responsible for the payment of any resulting taxes. Incentives will be reported to the IRS, unless the Applicant is exempt.
- The Applicant may be required to refund some or all of the incentives if the measures do not remain (or were not) installed for a period of five (5) years or the end of the product life, whichever is less.
- 7. Materials removed, including lamps and PCB ballasts, must be permanently taken out of service and disposed of in accordance with federal and state laws or regulation and local codes and ordinances. The Applicable for being aware of any applicable codes or ordinances information about hazardous waste disposal can be found at www.epa.gov/wastes.
- DTE Energy has no obligations regarding and does not endorse or guarantee any claims, promises, work or equipment made, performed or furnished by any contractors or equipment vendors that sell or install any energy efficiency measures.
- 9. Payment of incentives under the Program and/or evaluation of Applications for incentives shall not deem DTE Energy or any of its affiliates, employees or agents (TDE Energy Parties) to be responsible for any work completed in connection herewith Application, the linearity of the program of the progr
- 10. DTE Energy reserves the right to associate with your business and participation in the incentive Program for promotion and advertising purposes. See the Policies and Procedures Manual for more on promotional co-branding.
- purposes, occur rouces and roceautes institute or more on promotorial core eventually.

 11. Applicant acknowledges that Federal Energy Regulatory Commission (FERC) Order issued on June 1, 2012, at Docket No. ER11-4081-000

 ("FERC Order") approves of the inclusion of energy efficiency resources as planning resources in a utility's resource adequacy plan (all italicate terms as defined in the FERC Order). Accordingly, Applicant and DTE Energy agree that all such rights affordiw therepect to energy efficiency resources, including but not limited to the right to identify them as a planning resource so as to include them in a resource adequacy plan, shall insure exclusively and fully to DTE Energy. Applicant agrees that it will not claim ownership in such energy efficiency resources for purposes of identifying them as a planning resource in accord with the FERC Order or include them in a resource adequacy plan.

plan, shall intrue exclusively and fully to DTE Energy, Applicant agrees that it will not dail movementh in such energy efficiency resources for purposes of identifying them as a planning resource sor purposes of identifying them as a planning resource in accord with the FERC Order or include them in a resource adequacy plan. I have read and understand the measure specifications and Program Guidelines set forth in the Application and the Program Policy and Procedures Manual and agree to abide by those requirements. Furthermore, I concur that I must meet all eligibility criteria in order to be paid under this Program and not receive incentives from any other utility for the same project.

I certify that the information on this Application is true and accurate. I acknowledge and understand that it is necessary for DTE Energy to store, use and share the information contained in this Application, as well as information collected in connection with this project, including but not limited to my business name, address, account number and energy consumption data ("Customer Data") for various purposes.

Therefore, I hereby authorize DTE Energy to collect, store and use the Customer Data for internal purposes and to present me with other energy saving opportunities. I further authorize DTE Energy to share the Customer Data with third party vendors/contractors who are doing work on DTE Energy's behalf.

DTE Project Number	
Total Project Cost	
•	
Actual Completion Date	
_	
DTE Account Holder Name (print)	
DTE Account Holder Title	

Farm Energy Audit	
Irrigation Equipment	
Dairy Equipment	
Dairy Refrigeration Tune-up	
Fans	
VFDs for Fans and Pumps	
Grain Dryers	
Greenhouses	
Lighting	
Total Incentives Requested	

NOTE: The above figures will self-populate in the electronic version.

Disc Account Florier Signature
Date

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Agriculture Project Examples



Prescriptive Gas Example

Greenhouse

Measures Installed:

- Heat Curtain
- Environmental Controls
- Infrared Film

•Simple payback	2.5 years
•Total Mcf saved/year	10,600
•Project cost after rebate	\$66,316
•Total rebate	\$40,684
•Total project cost	\$107,080



Custom Lighting Example

Retail Feed Company

Measures Installed:

•LED A-Lamps

•Simple payback 1.2 years
Total kWh saved/year 89,782
Project cost after rebate \$2,115.26
•Total rebate\$6,284.74
•Total project cost \$8,400



Custom Lighting Example

Poultry Farm

Measures Installed:

•CFL to LED

•Simple payback	2.5 years
•Total kWh saved/year	7,406
•Project cost after rebate	\$982
•Total rebate	\$518
•Total project cost	\$1,500



Prescriptive Gas Example

Greenhouse

Measures Installed:

Heat Curtain

•Simple payback	3.9 years
•Total Mcf saved/year	323
•Project cost after rebate	\$3,000
•Total rebate	\$2,000
•Total project cost	\$5,000



Designated Trade Allies

Designated Trade Allies

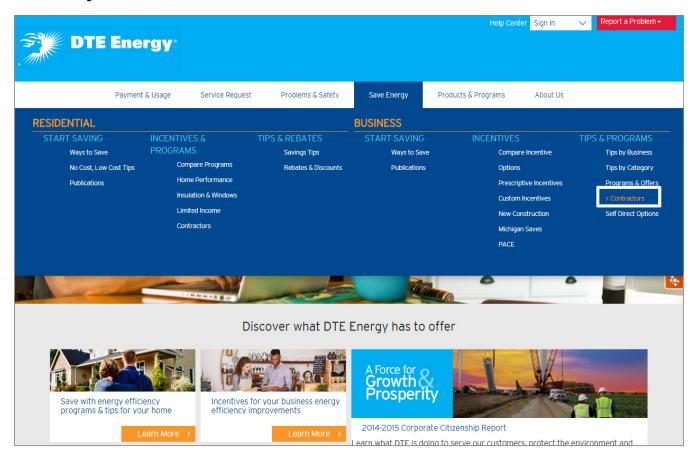


How Customers find a Designated Trade Ally

Type dteenergy.com into your

browser

- Hover over the
 Save Energy tab
 along the top of the
 page
- Click on
 Contractors in the drop down box



Designated Trade Allies



dtetradeally.com

- Home:
 - Announcements
 - Up-to-date funding gauges
 - Trade Ally Portal
- Events
- MarketingMaterials
- Videos

DTE Energy Energy Efficiency Program for Business Know Your Own Power Home **Events/Registration Marketing Materials** Videos Applications and Trade Ally Portal 2016 Michigan Saves Offer Worksheets DTE Energy - in partnership with Michigan Saves - looks forward to To receive your login and password, call or email your Program Outreach contact. expanding our special financing offers to commercial electric and natural gas customers for prescriptive and custom projects for 2016. Qualifying Click here for access to 2015 energy efficiency projects may now be eligible for: 0% financing on up to documents \$50,000 for up to 36 months. 2.99% financing on up to \$150,000 for up to 60 months. 1.99% financing on up to \$150,000 for up to 60 months 2016 Online Application 2016 Incentive for municipalities and K-12 schools. Click here to download the Michigan Saves Fact Sheet. Program Status 2016 Program Catalog Available funds paid as of January 4, 2016 **Program Update** 2016 Program Application Electric Incentives Effective Nov. 1, 2015, the 2016 Program Year Measures and 2016 Program P&P Specifications Catalog and Application are now available. Please note that you may continue to apply for 2015 funds if you will be completing your 2016 New Construction project before Nov. 30, 2015. For projects that are not complete in the Application 2015 program year, you may now apply to reserve your funds, and Gas Incentives submit your final applications after Jan. 1, 2016. For a list of all changes 2016 Agriculture Application to the 2016 program please click here. 2016 Building Operator **Certification worksheet** Michigan farmers have their own Application DTE Energy continues to offer incentives on energy efficiency measures 2016 Boiler Furnace Tune-Up ensure you're viewing the latest fundi levels, please refresh your browser. designed to meet the needs of the farming, dairy and greenhouse communities. These incentives are available only to commercial rate and residential rate customers whose primary source of income is from 2016 Multiple 3rd-Party Payment addendum agricultural operations and activities. For details on who qualifies and how to apply, click on the Application at left and turn to Page 2. 2016 Baseline Wattage **Click HERE for DTA Training** 2016 Project Invoice Summary Troubleshooting tips for

2016 Lighting Schedule



In Summary

- Program Overview
- Special Offers
- 2016 Agriculture Program
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Questions?



If you have questions, please contact our office

Email: saveenergy@dteenergy.com

Phone: **866.796.0512** (press option 3)

Fax: **313.664.1950**

Website: dteenergy.com/savenow

Website: dtetradeally.com



www.linkedin.com/in/dteenergysaveenergy