



# DTE Energy's 2013 Energy Efficiency Program for Business Compressed Air Technical Training

**NOTE:** The 2014 Application is now available, and contains revised elements; please download from the DTE website: www.dteenergy.com/savenow



USE LESS.
SAVE
MORE.







#### Agenda:

8:30 – 8:35: Introductory Comments

8:35 – 11:05: Hank van Ormer, Air Power USA Inc

11:05 – 11:30: DTE Energy's Energy Efficiency

Program for Business and Case Studies

11:35 – 12:30 Visit with Compressed Air vendors





#### Program purpose

## To help commercial and industrial contractors and customers\*:

- Improve energy efficiency.
- Increase energy efficiency awareness.
- Reduce energy consumption.
- Reward businesses for installing energy-saving measures.

<sup>\*</sup>Residential and Multi-Family customers do not qualify for this Program



#### **Since 2009**

- More than \$52 million in cash rebates have been paid to Michigan businesses.
  - Electric: \$44.4million Gas: \$6.2 million
- More than 18,000 projects have been completed.
- More than 1,297 GWh and 3.3 million Mcf have been realized in energy savings.
- More than \$87 million has been realized in energy savings.





#### There are three types of projects

#### **Prescriptive**

- <u>Predetermined</u> measures and incentives for the installation of various energy efficient improvements.
- Incentives typically average 20% to 50% of the incremental cost.

#### **Custom**

- <u>Capital investment</u> projects that increase energy efficiency and are <u>NOT</u> eligible for a Prescriptive Incentive may qualify as a Custom Measure.
- Custom Incentives are determined on a case-by-case basis and are paid per unit energy saved (ex: \$0.08/kWh and/or \$4/Mcf).

## **New Construction Major Renovation**

- New facilities/major renovations of existing facilities or change of use projects.
- Adding load.



#### **About Incentives**





#### For a customer to receive incentives

- Qualified measures must be installed at facilities served by DTE Energy.
- Projects must involve a <u>capital investment</u> 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 and <u>not</u> be a Residential or Multifamily customer.



## SAVE MORE.

#### 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.





#### Our Program timeline is simple:

**Reservation Application** 

Application Review (may require pre-inspection)

Reservation Letter issued (Proceed with project)

#### **Install Measures**

(Project must start within 30 days and be completed within 90 days of approval or end of Program year, whichever comes first.)

Final Application & Review (may require post-inspection)

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#### How our program works





#### Our Program timeline is simple:

Reservation Application ation Application to Letter: 4-6 weeks

cation Review (may require pre-inspection)

Reservat

**Letter to Final Application:** 90 days or less

with project)

Install

sures

(Project must start within 30 days and be completed within 90

of approval or end of Program year, whichever comes first.)

Final Application & Review

**Final Application to Check:** 4-6 weeks





#### **About your Final Application:**

- Your Final Application <u>must be submitted within 60</u> days of completion of your project – and include all supporting documentation.
- Failure to do so could result in delay of payment or cancellation of your Application.





The

**2013** 

## **Energy Efficiency Program for Business**

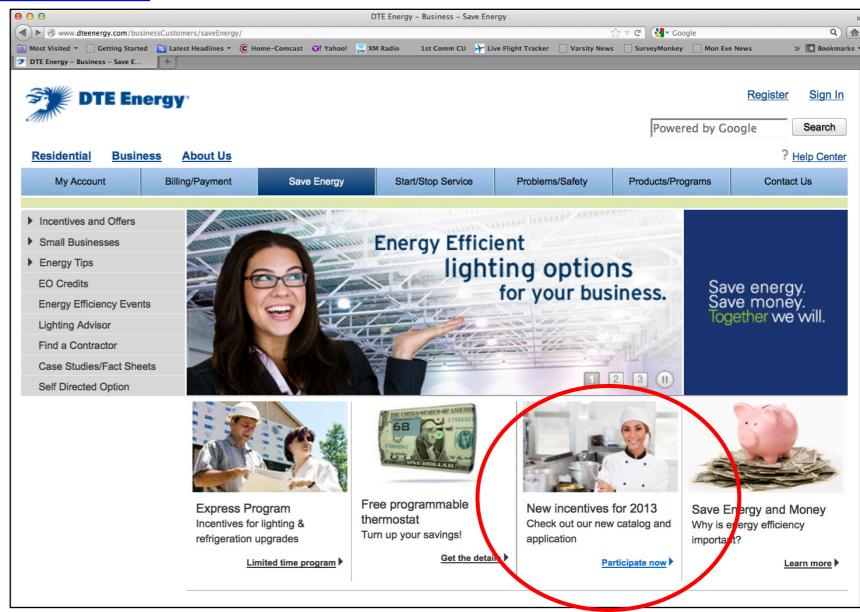
**Catalog & Application** 





#### To get an electronic Catalog and Application

- 1) visit: dteenergy.com/savenow
- 2) Then select the "Participate now" link (red circle).



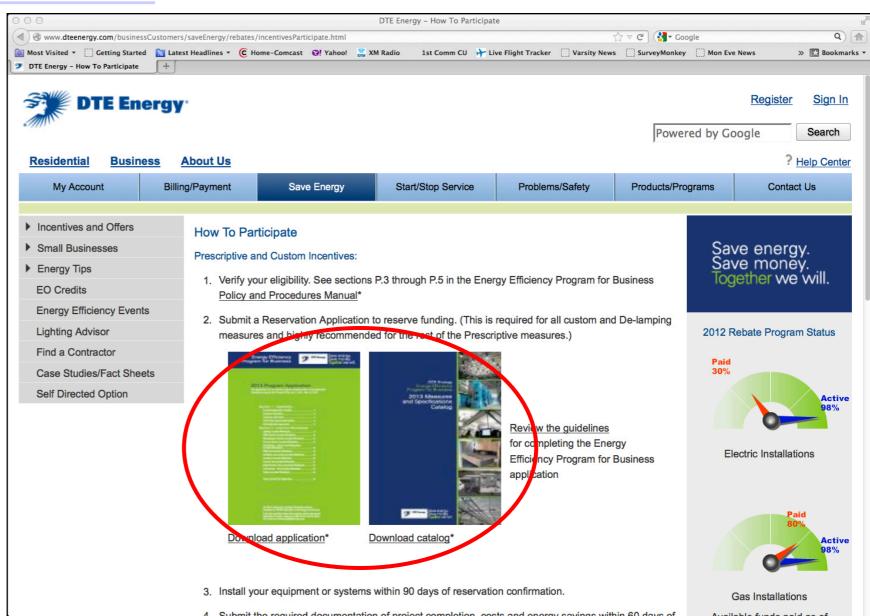
\*Requires Acrobat Reader





#### To get an electronic Catalog and Application

- 1) visit: dteenergy.com/savenow
- 2) Then select the "Participate now" link (red circle)
- 3) Click to on the icon to download the electronic Program Catalog or interactive PDF Application.



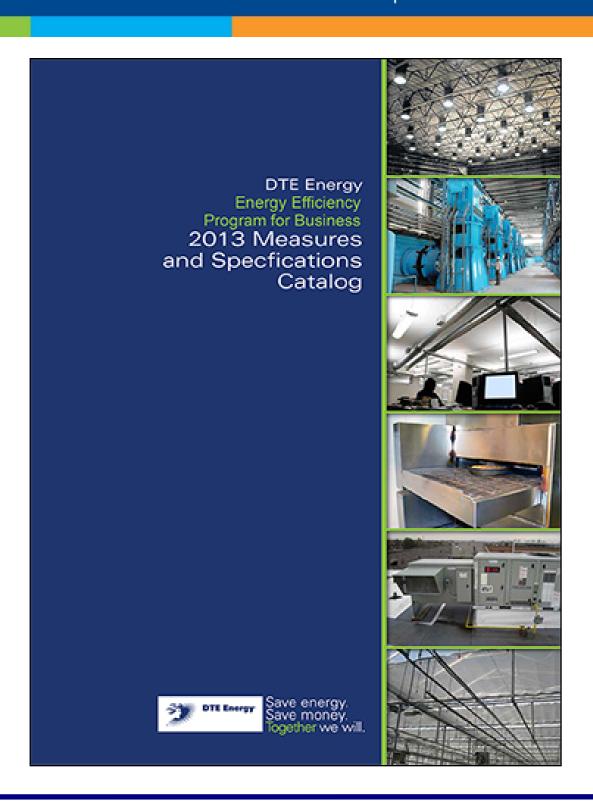
\*Requires Acrobat Reader





#### **About our Catalog**

- It includes specifications and details for every <u>Prescriptive</u> incentive measure.
- It includes specifications and details on how to submit a <u>Custom</u> project.
- Use it as a desktop reference for all your projects.
- To get a print copy, contact us at: saveenergy@dteenergy.com or call us at 866-796-0512 (press option 3).







#### **About our Application**

Use it as a <u>Reservation</u> Application

#### <u>and</u>

•Use it as a Final Application

**NOTE:** Funds <u>must</u> be reserved for all custom projects and lighting projects that involve delamping.

We **encourage** you to reserve funds for all **prescriptive** projects.

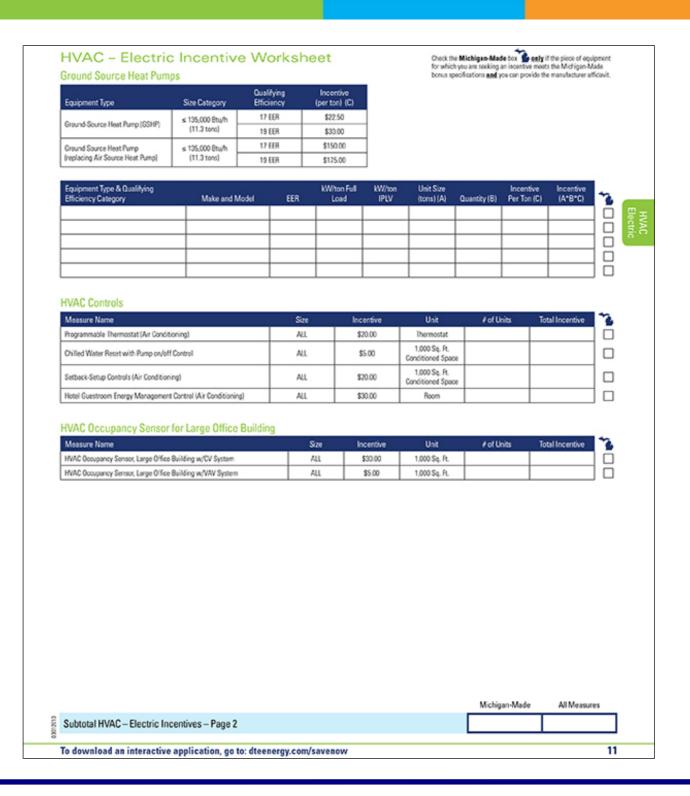




SAVE MORE.

We have worksheets for every type of **prescriptive measure** offered in the program.

Simply complete all relevant areas.

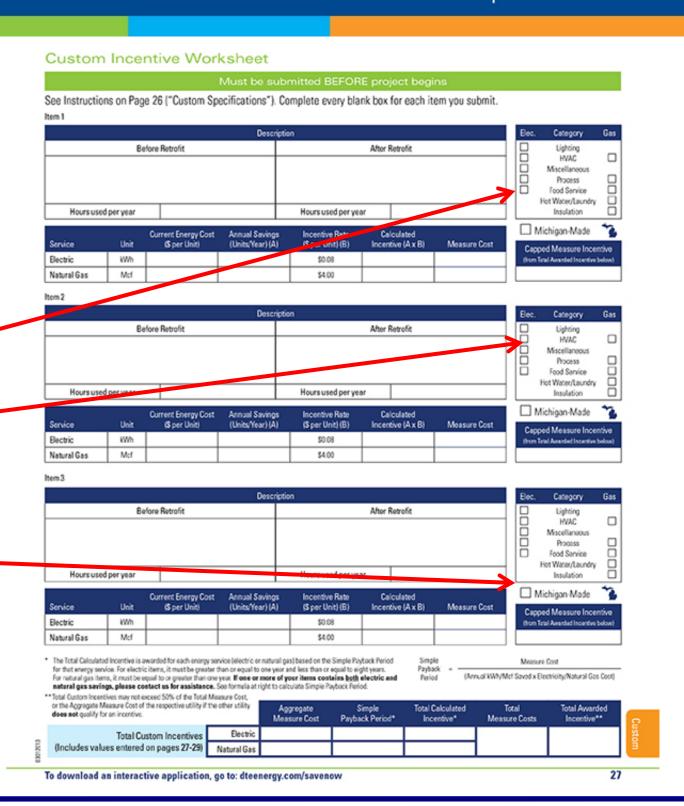






#### For Custom projects:

- The interactive PDF will:
  - Automatically allocate the incentives proportionally to each eligible item for *Multi-Measure* calculations on Page 6 (you <u>must</u> check the category (i.e. Lighting)
  - Automatically calculate the *Michigan-Made* bonus for each checked item







#### The Final Application

Page 6 contains the Incentive
Summary, Final Agreement
Information and the Account Holder
Signature area.

#### In the interactive PDF:

- Incentives are automatically entered from each completed page.
- Michigan-Made incentives are entered from each completed page – and then totaled and calculated for the 15% bonus.
- Prescriptive and Custom incentives for each category are totaled and, if no single category is more than 75% of the total, that figure is calculated for the 10% *Multi-Measure* bonus.

Measure Category	Prescriptive Total (A)	Custom Total (B)	Michigan-Made Total	Multi-Measure Total (A + B )	Multi-Measure Percentage	
Lighting		,			- Continue	
HVAC - Electric						1
Miss. Electric						1
Process Electric						1
Food Sarvice - Electric						
HVAC – Gas						1
Hot Water & Laundry						1
insulation						1
Process Gas						1
Boiler/Furnace Tune-Ups						1
Food Service – Gas						1
Subtotals			C1	D1		D1
10% Multi-Measure Bonus				D2		02
15% Michigan-Made Bonus			C2			CZ
Incentive Subtotal						
Other Special Offers						
Other Special Offer - Code:						
Other Special Offer - Code:						
Other Special Offer - Code:						
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Por the Michigan-Made by 1. By category, enter only Michigan-Made criteria 2. Then, multiply the total in C2 at the far right     For the Multiple-Measure 1. Subtotal each category 2. Total all categories and	the values must be ent onus: those incentives that is and total (C1) by .15 and enter into l bonus: (A+B) enter in D1	tered manually. meet the C2 and again	the to is 75% \$0 in I 4. Multig the fa Total all incer Enter any oth must attach ti	tal (divide each cat s or more of the tot 22 bly D1 by .10 and er right. tives in D1, D2 and er Program Special	egory by D1). If no al, proceed to Step- nter into D2 and ag d C2 and enter in In Offer bonuses who each offer) and ma	single čate; 4; otherwisi ain in D2 ar centives Su ere indicate
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Electronically submit your **Reservation** Application and/or your **Final** Application.

#### **Automatically:**

- Your email will be launched,
- our email will be inserted,
- the subject line will be entered and
- your Application will be attached.

At that point, you also can attach any other documents to the email.

#### To submit your Reservation Application\*

- 1. Complete the Application (Pages 2-4).
  - a. Ensure that you have completed the Reservation Application checklist (Page 2).
  - b. Ensure that you have completed the Customer information (Page 3).
  - Ensure that you have completed the Contractor and, if applicable, Third Party Payment information (Page 4).

Complete all relevant worksheets for your project.

3. Print and mail your Reservation Application to:

#### DTE Energy Efficiency Program for Business

P.O. Box 11289 Detroit, MI 48211

or

Fax to: 877.607.0744

or

Submit electronically by clicking here



A Reservation Application may not be required for your project, but is strongly encouraged to set aside foods. Submission of a Reservation Application does not guarantee that funds will be available.

#### To submit your FINAL Application

- 1. Complete or confirm all information in on Pages 2-4.
- 2. Complete and have account holder sign Final Application Agreement (Page 5)
- 3. Complete or confirm all relevant worksheets for your project.
- 4. Print and mail your NNAL Application to:

#### DTE Energy's Energy Efficiency Program for Business

P.O. Box 11289 Detroit, MI 48211

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Fax to: 877.607.0744

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Submit electronically by clicking here



## **Compressed Air Opportunities**







## About Compressed Air Opportunities

## **Compressed Air Opportunities**





#### **2013 Incentives**

These are the current incentives offered for various compressed air technologies through DTE's **Energy Efficiency Program for Business**:

Com	pressed	Air
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Equipment Type	Incentive	Unit	
Compressed Air Engineered Nozzle	\$100.00	Nozzle	
Compressed Air Pressure Flow Cor	\$4.00	HP	
Compressed Air Audit with Leak Reprior to leak repair	\$35.00	SCFM	
VSD Air Compressor – Reservation	\$80.00	HP	
Compressed Air Cycling Dryers	Refrigerated Thermal Mass	\$0.30	SCFM
	Refrigerated Variable Speed Compressor	\$1.00	SCFM
	Refrigerated Digital Scroll	\$1.00	SCFM

## **Compressed Air Opportunities**





#### Sample Air Compressor Projects

#### **Prescriptive:**

- Replace 1-50 hp unit with 1-50 hp variable speed compressor
  - Cost: \$28,100 Annual savings: 163,800 kWh Incentive: \$4,000
- Compressed Air Audit with Leak Repair
  - Cost: \$8,500 Annual savings: 73,000 kWh Incentive: \$4,270

#### **Custom:**

- Replace 60 hp unit with 40 hp variable speed compressor
  - o Cost: \$39,000 Annual savings: 186,400 kWh Incentive : \$14,900
- Replace 50 hp unit with 2-30 hp variable speed
  - Cost: \$35,100 Annual savings: 73,738 kWh Incentive: \$5,899









## If you have questions or would like help completing your Application, please contact our office

<u>Email</u>

saveenergy@dteenergy.com

**Phone** 

866-796-0512 (press option 3)

<u>Fax</u>

877-607-0744

**Website** 

dteenergy.com/savenow