



DTE Energy®

MIGreenPower

Michigan Sustainability Conference

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DTE Energy is Michigan's largest investor in - and producer of - renewable energy



DTE's Renewable Energy Portfolio



91% Wind



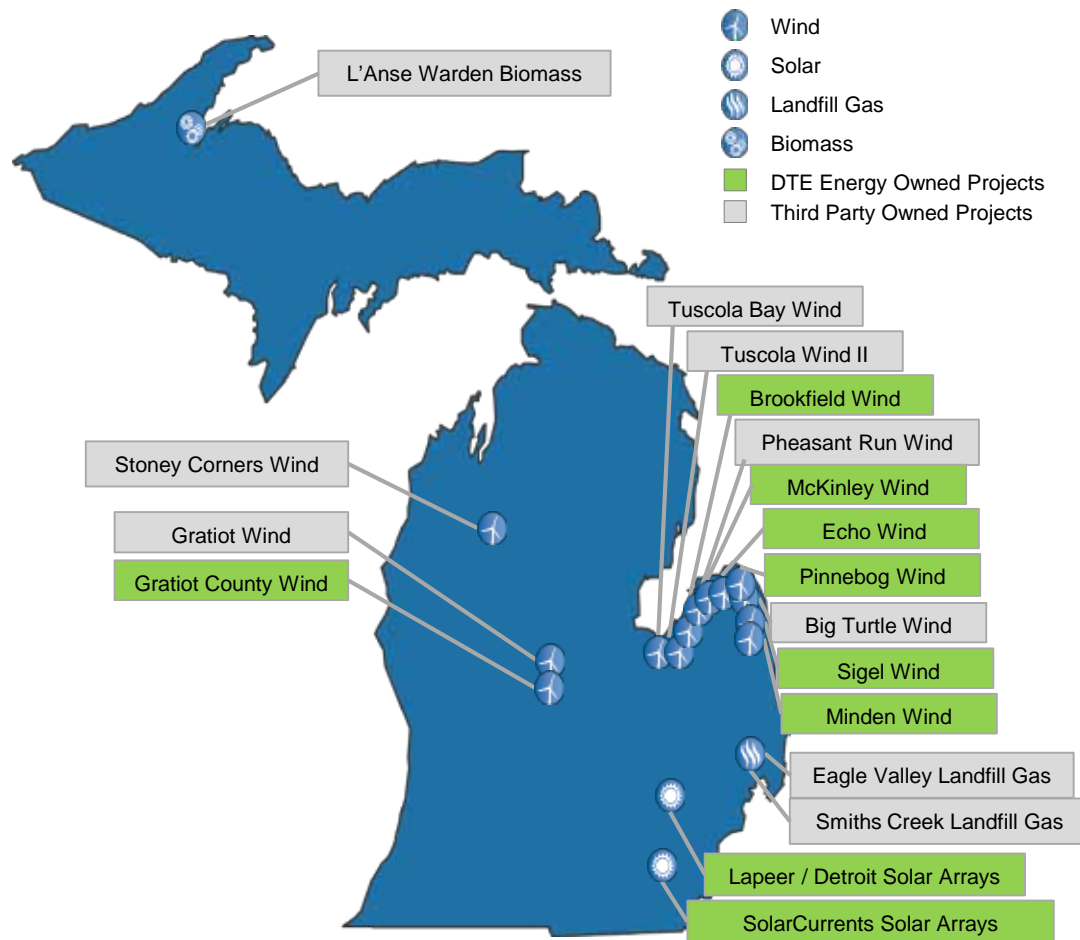
3% Biomass



6% Solar



1% Landfill Gas



MI GreenPower Solar Projects

Aerial View – Lapeer Project



- 200,000 solar panels
- 48 MW
- Enough energy to power 11,000 homes

Rendering – Detroit Project



- Wayne County
- 650 solar panels on 10 vacant acres
- Enough energy to power 450 homes

Pinnebog Wind Park



- 30 wind turbines
- 50 MW
- Enough energy to power 24,000 homes

Introducing DTE's new voluntary renewable energy program!

MI *GreenPower*[™]

**REDEFINE
HOW YOU
USE ENERGY**

**Join MIGreenPower and reduce
your business's carbon footprint
with local wind and solar power.**

MIGreenPower Program

- MIGreenPower is a pilot program designed for any electric customer wishing to go beyond the 10% renewable energy that they already receive from DTE's generation fleet
- The program requires no on-site installation, no upfront investment, no operating and maintenance obligations, and no long-term commitment
- Program subscribers pay a fixed cost subscription fee of \$0.072/kWh and receive a floating credit starting at \$0.041/kWh for energy & capacity
- Subscribing customers identify the total renewable energy percentage they want above the 10% already received through the current Renewable Portfolio Standard. MIGreenPower supplies the additional renewable energy above 10% and represents additional renewable energy being built, operated and maintained by DTE Energy about the mandated goals set by the State of Michigan
- MIGreenPower will be enrolling interested business and residential customers through year-end 2018

Joining MIGreenPower is easy and it can help you meet your sustainability goals!



LOCAL

MIGreenPower is sourced by local solar and wind energy projects in Michigan. By joining you are supporting the growth of renewable energy resources in Michigan

FLEXIBLE

You can select the amount of renewable energy development you support in 5% increments, up to 100% - giving you the power to choose the level of impact toward your sustainability goals that works for you

Your business can participate in MIGreenPower at a level that suits your preferences and budget.

Use our online calculator at migreenpower.dteenergy.com to estimate your monthly cost and environmental impact.

Customers can calculate how their monthly bill will change based on subscription rate



Environmental Impact Calculator

Choose the amount that reflects your average monthly usage. ?

0 kWh



404 kWh

Choose what percent of your bill that you would like to match with clean energy. ?

10%



50%

That's an estimated increase of **\$5.57** to your average monthly bill.

This generation has an environmental benefit equivalent to taking **0.32** cars off the road for one year or planting **39.24** trees!

Avoided emissions and equivalencies are based on Egrid 2015 non-baseload emissions factors by subregion and the Environmental Protection Agency equivalencies calculator at <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>.

The program appears as an addition to the customer's normal bill in the form of subscription cost and credits



Sample Industrial Bill

ILLUSTRATIVE

Charges for 08/03/2015 through 08/31/2015						
Power Supply Charges:						
Power Supply Demand	8,081	KW	@ \$	10.48	(See 1 Above)	84,688.88
Power Supply Energy:						
Power Supply Energy	3,651,200	KWH	@ \$	0.0398600	Per Total KWH	145,536.83
Off-Peak Discount	2,543,697	KWH	@ \$-	0.0030000		- 7,631.09
Surcharges:						
Power Supply Cost Recovery Factor	3,651,200	KWH	@ \$	0.0025800	Per Total KWH	9,420.10
Renewable Energy Plan Surcharge	2.00	MTR	@ \$	26.68		53.36
Sub Total:						232,068.08
Delivery Charges:						
Service Charge						275.00
Distribution:						
Distribution Demand - PV	9,361	KW	@ \$	2.18	(See C Above)	20,406.98
Surcharges:						
Nuclear Decommissioning	3,651,200	KWH	@ \$	0.0007780	Per Total KWH	2,840.63
Energy Optimization Surcharge	2.00	MTR	@ \$	501.19		1,002.38
LIEAF Factor	2.00	MTR	@ \$	0.9700000		1.94
U-17767 IS	3,651,200	KWH	@ \$	0.0030720	Per Total KWH	11,216.49
Sub Total:						35,743.42
Invoice Subtotal						267,811.60
MI Green Power 1						
20% Subscription Level						
Subscription Cost	405,689	KWH	@ \$	0.072	Per Total KWH	\$29,209.61
Subscription Credit for energy and capacity	405,689	KWH	@ \$	0.04	Per Total KWH	<u>-\$16,227.56</u>
						\$12,982.05
INVOICE TOTAL						\$280,793.00



- Participating customers will choose the level of renewable energy they would like to receive from DTE beyond the existing level of 10%
- The proposed program is a “pay-as-you-go” structure with a one-year minimum commitment
- Customers will be billed at their normal tariff rates and the program costs will show up as an additional bill component in the form of a subscription fee and credits for each subscribed kWh
- Subscription **fee** will be the LCOE of the renewable assets plus administrative fees and remain constant over the life of the program (7.2¢ / kWh)
- Subscription **credits** will be applied for energy and capacity and update annually
 - Energy credit = fuel and purchase power rate embedded in DTE tariffs (minus transmission costs)
 - Capacity credit = value determined by MPSC-led 2015 Solar Working Group x MISO capacity credit of renewable resource

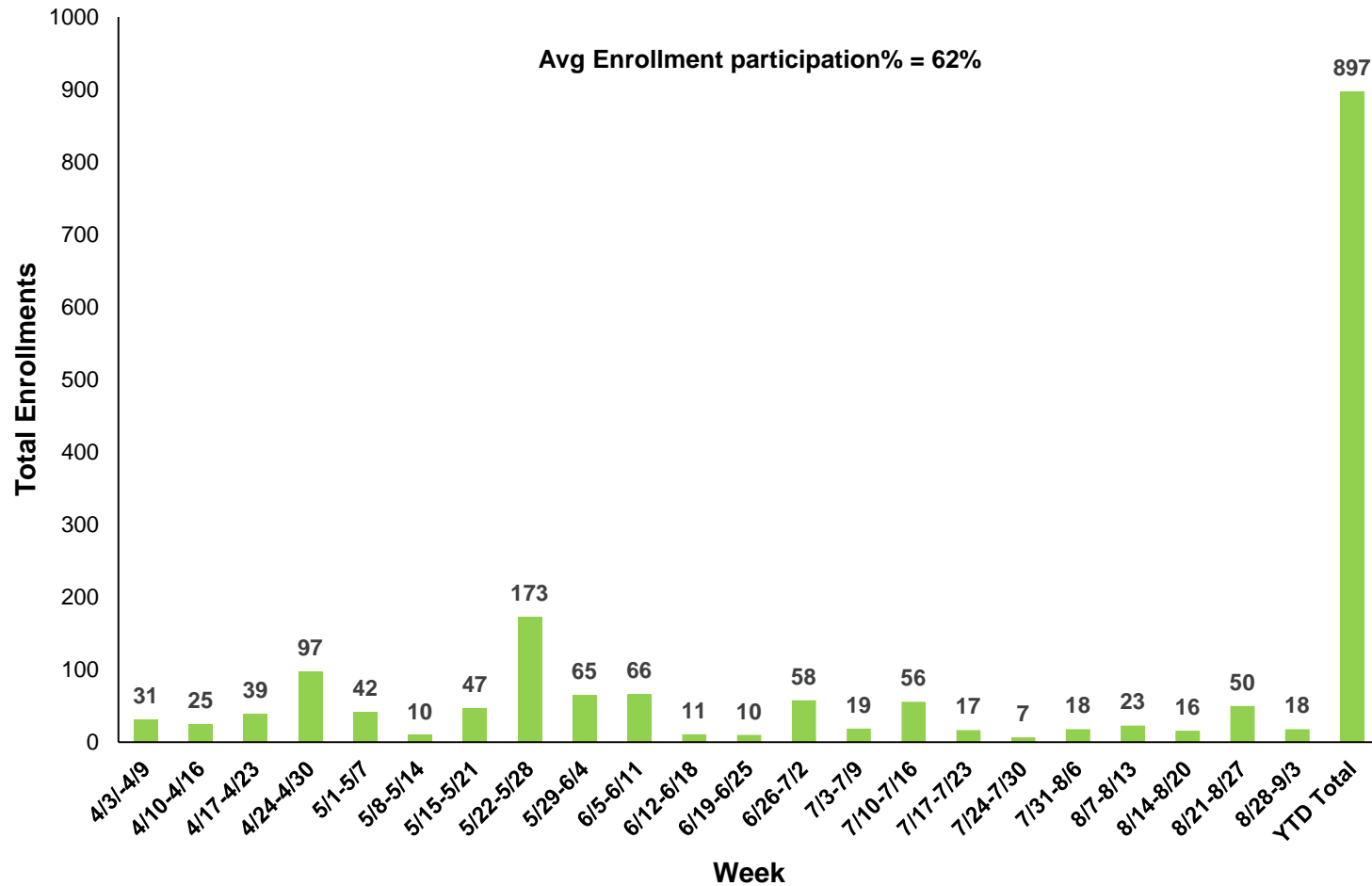
Outreach events have been planned for each phase of MIGreenPower



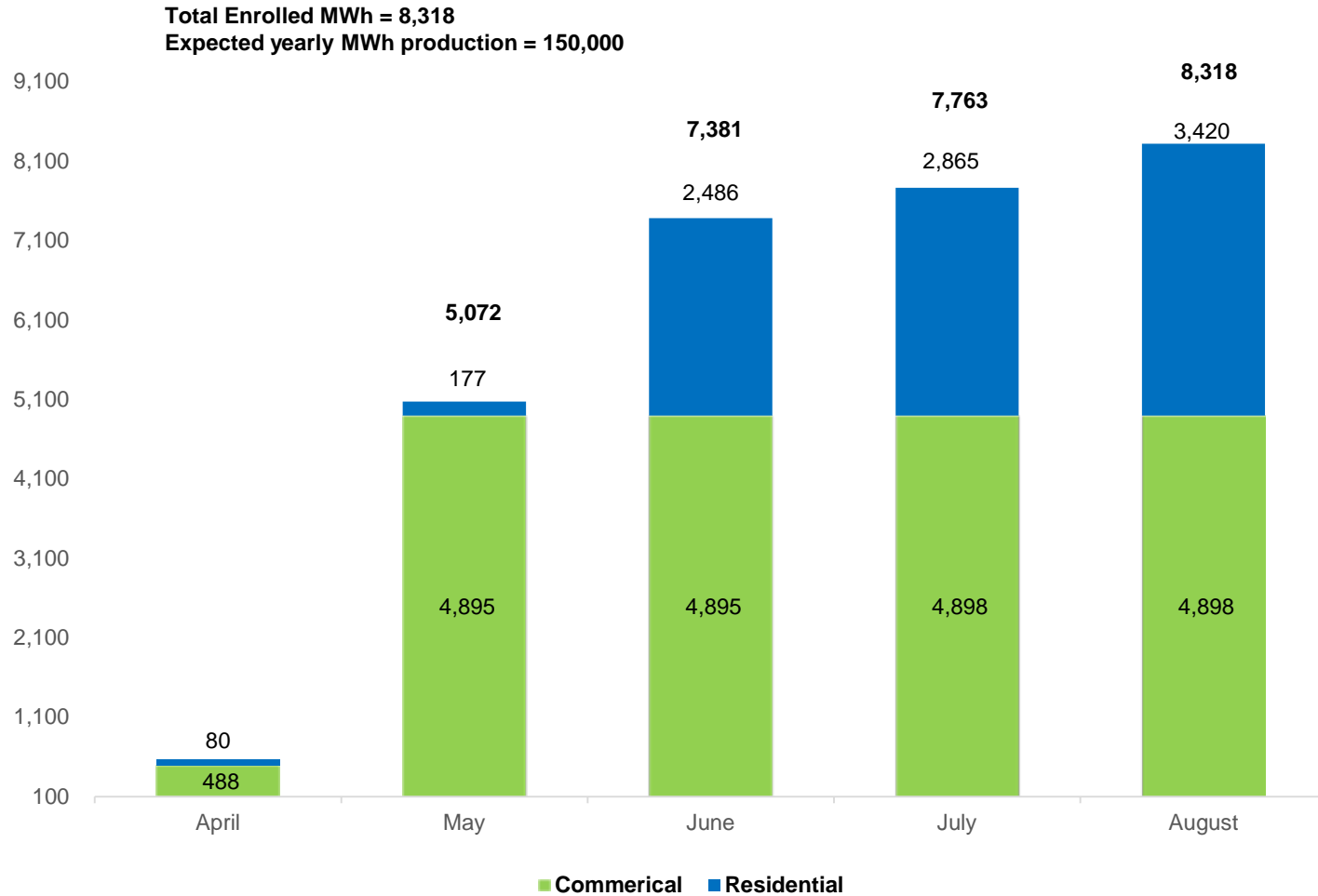
- Community Outreach
 - Residential Door Knock campaigns are underway this year with future campaigns scheduled
 - MIGreenPower teams have been scheduled for dozens of outreach events such as:
 - Farmer's Markets (Plymouth, Royal Oak, Eastern Market)
 - Entrepreneur & Small Business Conference
 - Tigers games
 - Michigan Sustainability Conference
 - 2030 District USGBC Meetings
 - Battle of the Buildings – Award Ceremony
 - MIGP Employee Day @ DTE Headquarters
- Ongoing Campaigns
 - Bill Inserts and eBill Messaging
 - Program brochures to residential and commercial customers
 - Major Account Services customer outreach
 - Digital Ads
 - Empowering MI Blog
 - Energy Smart for MI Businesses Magazine
- Retention and Green-e Mailings
 - Welcome Kits
 - Window Clings
 - Facility Tours
 - Program Newsletter



MIGreenPower Total Enrollments as of September 3, 2017



MIGreenPower MWh Enrollments Residential vs Commercial September 3, 2017





QUESTIONS?

Contact the MIGreenPower hotline: 855.613.4445 or visit dteenergy.com/migreenpower