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Advanced Metering Infrastructure (AMI)

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House Oversight Committee
December 2, 2014

The reliability and cost benefits of AMI for customers are being recognized across the country and here in Michigan

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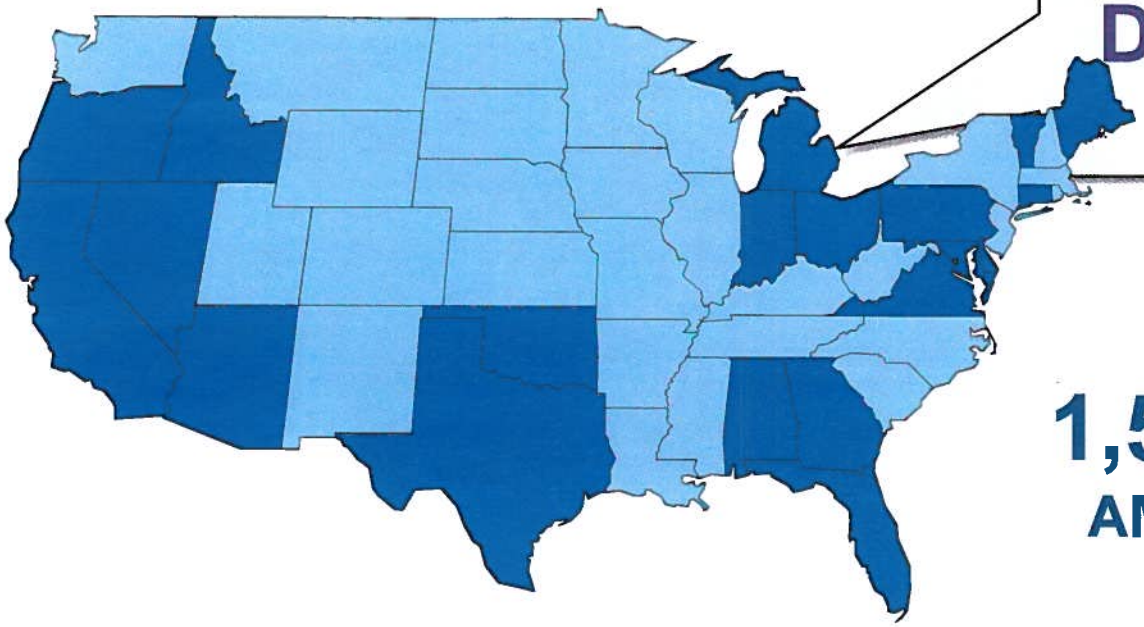
Expected Smart Meter Deployments by State by 2015[1]



2,124,142
DTE Energy Customers

1,592,277
AMI Electric

531,865
AMI & AMR Gas[2]

Deployment to less than 50% of end-users

Deployment to more than 50% of end-users

1. Data source: 2012 The Institute for Electric Efficiency; Washington DC and Hawaii have deployed to more than 50% of end-users
2. AMI Gas installations: 351,723; AMR Gas installations: 180,142

We are able to identify and respond to outages more quickly and efficiently as a result of this technology

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Results

- Better reliability and distribution planning for our customers
- Improved storm and outage restoration efforts
- Quick response to fire and police requests to better support public safety
- Eliminate estimated bills

We communicate and work with our customers to ensure the AMI installation process is convenient and easy for them

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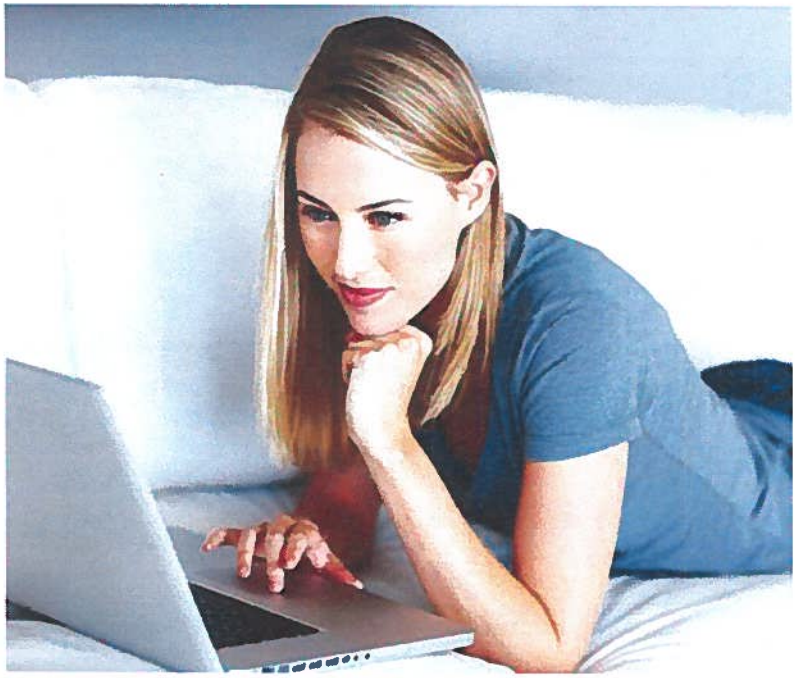
We provide our customers with information prior to installation:



- Background information
- Benefits to advanced technology
- FAQ
- Timeframe for installation
- No additional cost for installation
- Opt out process
- Our contact information

1. Please refer to Section 2: Customer Communication of DTE Energy's Advanced Metering Infrastructure booklet

We live and serve in the same communities as our customers

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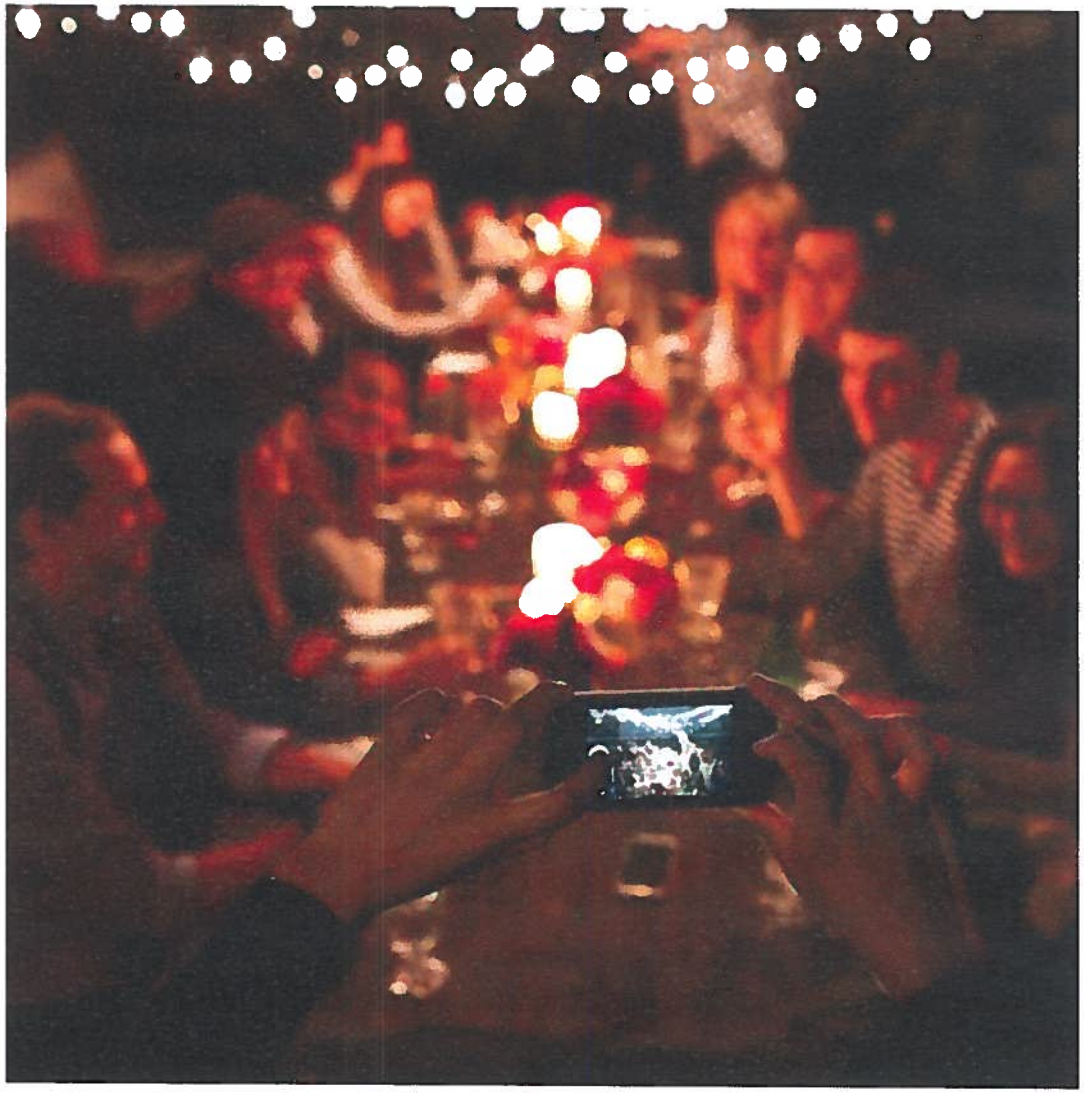
- We put the **health** and **safety** of our customers, our employees, and our families first

- We abide by very **high standards** to ensure our customers' health, safety and privacy are strictly **protected**



Customers can interact with us more easily, understand their energy usage more clearly, and reduce their monthly bills

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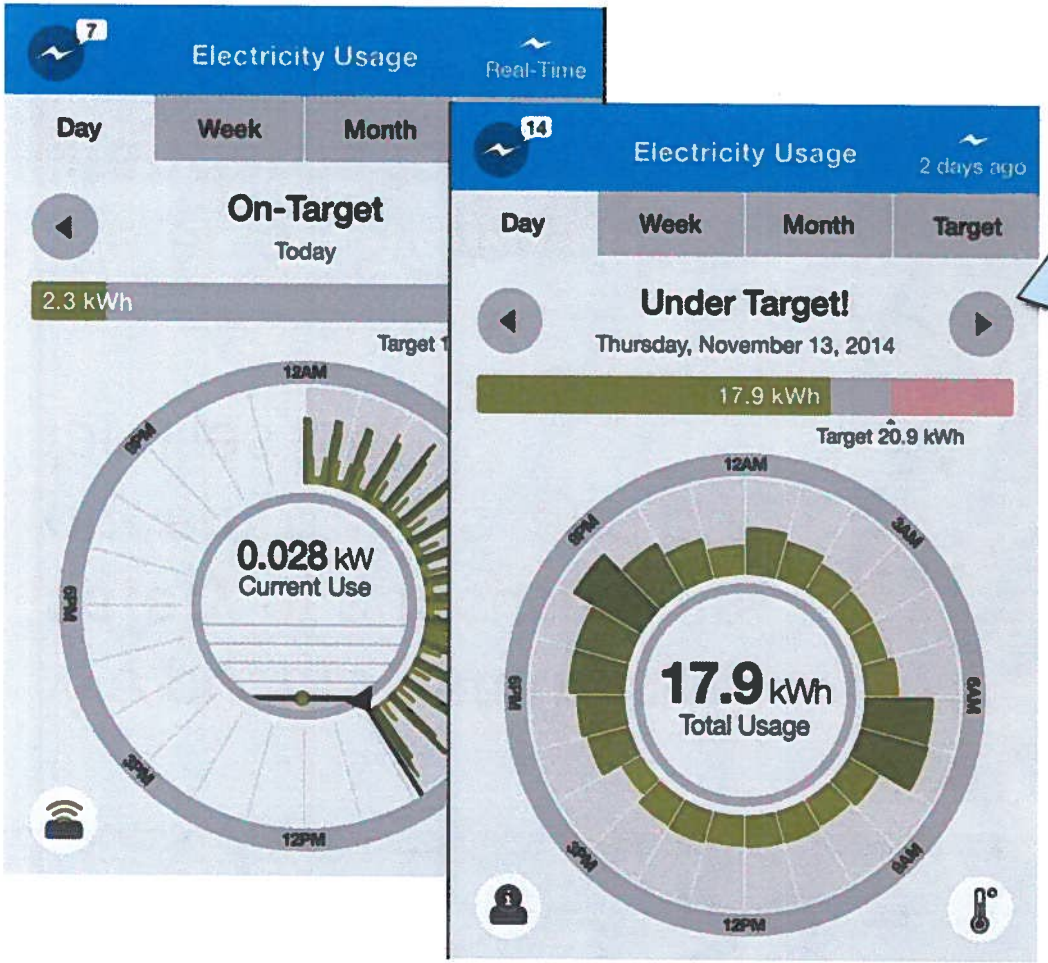
DTE Energy Insight App



Advanced metering technology allows customers to:

- Better understand their **usage**
- Set goals to make their own energy **conservation** decisions
- **Save** on their energy bills

Thank you for the opportunity to testify here today and share the reliability and cost benefits our customers are realizing as a result of this program

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Many common household items have radio frequency intensity far greater than Advanced Meters and are still well below FCC limitations[1]

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Radio Frequency Power Density Comparison

Wi-Fi

100 – 200

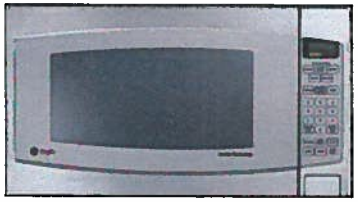
TIMES MORE

Cell Phone

300 – 100,000

TIMES MORE

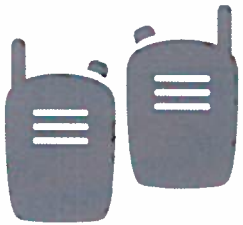
Microwave



5,000

TIMES MORE

Walkie-Talkie



5,000 – 420,000

TIMES MORE

Advanced Meter

0.1 μW/CM²

10 FT. FROM DEVICE[2]

1. Bender, Klaus, Director of Standards & Engineering, Utilities Telecom Council (UTC). "No Health Threat from Smart Meters."
2. Device Radio Frequency Power Density in microwatts per square centimeter