

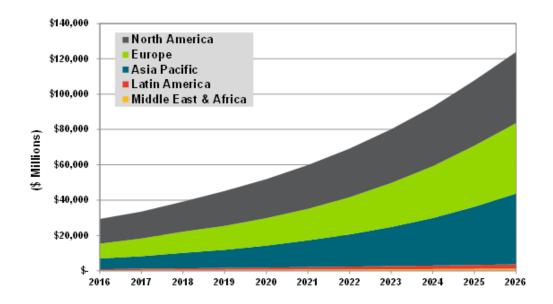
## ICF Product Workshop Connected Home Overview

August 2017

#### "IoT" appears to have hit a tipping point

#### North America revenue

From \$14.0 billion to \$40.2 billion CAGR of 11.1%



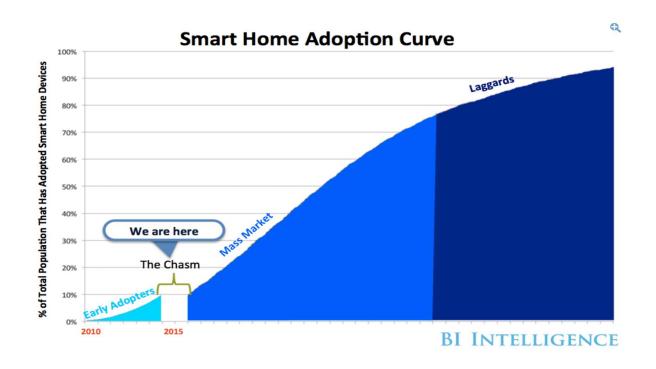
#### Lots of customers are buying...

of Americans—that's over 66 million—have purchased a connected product for their home.

#### But most smart devices aren't smart enough (yet)

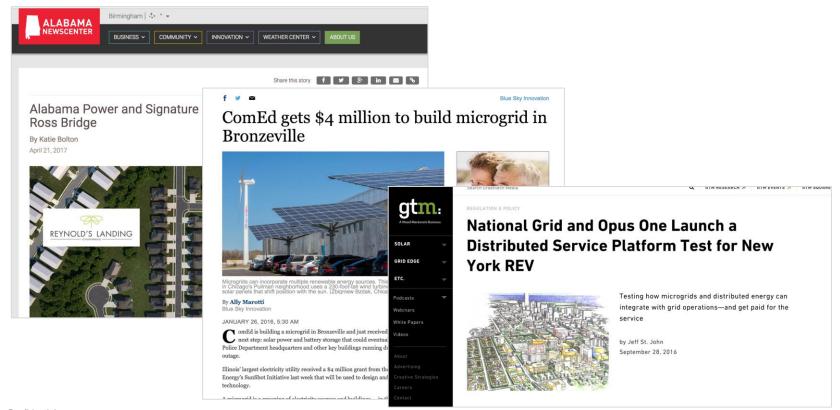


#### We're in the "chasm"



Businiessinsider.com. October 16, 2016.<a href="http://www.businessinsider.com/the-us-smart-home-market-report-adoption-forecasts-top-products-and-the-cost-and-fragmentation-problems-that-could-hinder-growth-2015-9">http://www.businessinsider.com/the-us-smart-home-market-report-adoption-forecasts-top-products-and-the-cost-and-fragmentation-problems-that-could-hinder-growth-2015-9</a>

## And utilities/regulators are still figuring out their strategy

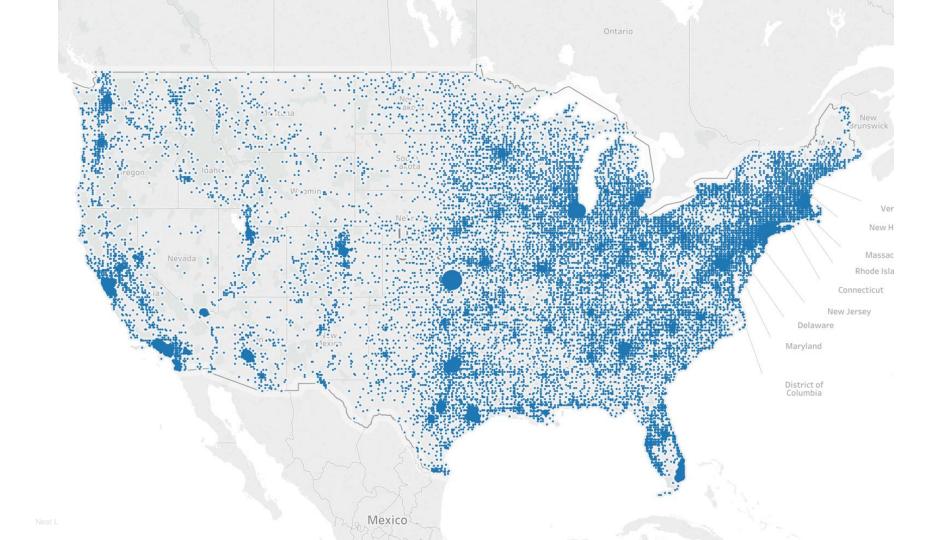


## So how can we recognize the benefit of the Connected Home now – and set a foundation for future programs?

With devices already at scale.

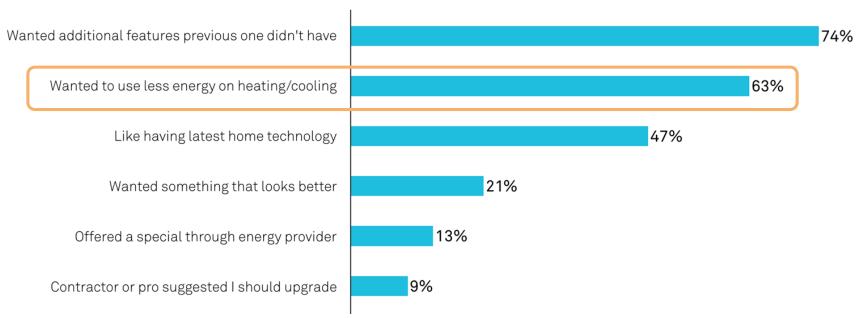


Customers buy smart thermostats for comfort, convenience, and to help them save energy.



## Customers want to energy – and they like the connected technology.

Why did you choose to purchase a smart thermostat?





Meanwhile, traditional utility programs are disconnected from connected products.

### And energy programs can appear complex to customers.

Demand Response

Peak Time Rebate
What's a kW?
Behavioral DR
Load Control Switch

Energy Efficiency

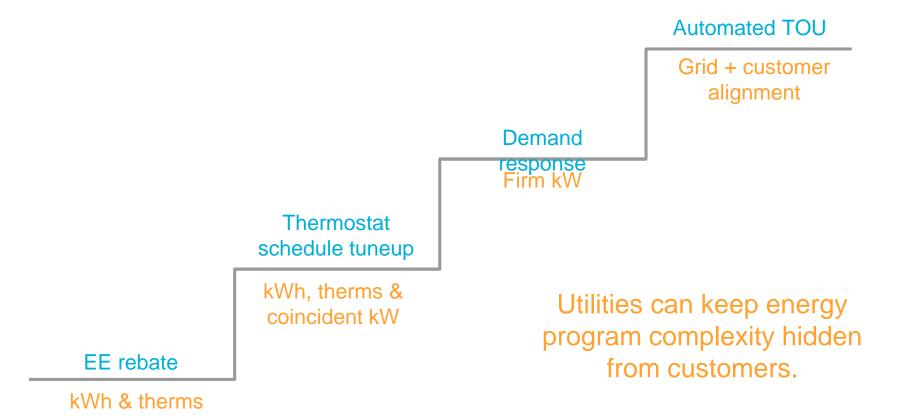
What's a kwh? Weatherization Appliances Rates

I'm already on a TOU rate, right?
Critical Peak Pricing



What if a single **Connected Home** program met each customer where they are on their unique energy journey?

#### Some customers would do a little, and some would do a lot.



#### **Utilities: The Trusted Energy Advisor**

#### **Automated TOU**

Saving me energy and money; making the complex simple

#### **Demand**

Rewarding me for saving more

Thermostat schedule tuneup

Helping me save with the push of a button

EE rebate

Helping me get a new product that I love

## SCG and ComEd Case Study



#### A unique path: Each home gets algorithms tailored to its unique characteristics.

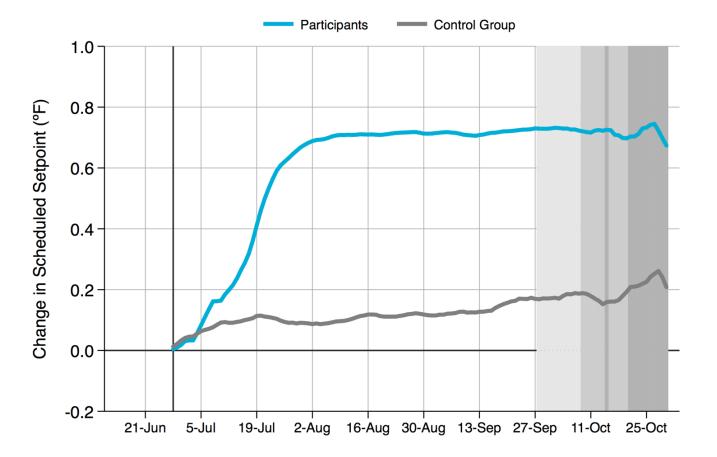


# SoCalGas



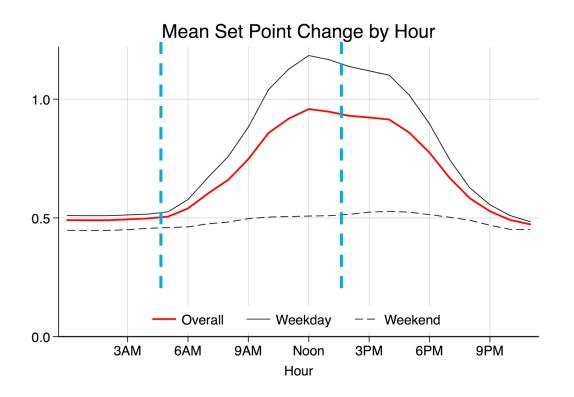


An Exelon Company



80/0

#### Measurable Coincident Peak Demand Reduction



# 50.05

But wait, thermostats aren't everything... what about the rest of the Connected Home?

#### Increased adoption and falling costs





#### The future is Al/machine learned-automation

