

"New England on the Cutting Edge" NECPUC Symposium 2016 June 7, 2016

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## Three Eras of Saving Energy

- 1. Conservation (doing less)
- 2. Energy Efficiency (doing it more efficiently)
- 3. Smart Efficiency (only doing it when you need it)

# What Drives the Third Era?

## Reductions in the cost of:

- · Sensors
- . Telecom
- . Computing





### The Nest Learning Thermostat

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## How Can Thermostats Help?

- . Cost?
- . Carbon?
- . Reliability?

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#### We have proof. nest.com/realsavings

### \$130 to \$145 average savings a year

### 12% on heating

(2X as much as traditional programmable thermostat)

saves

# 15% on cooling

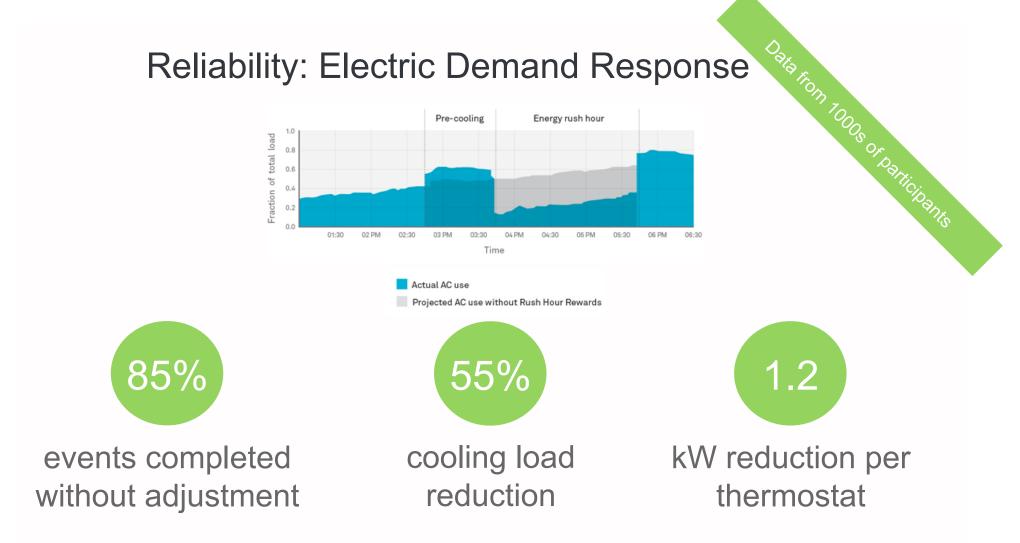
Based on independent studies by Energy Trust and VECTREN and NIPSCO



#### Carbon: Ontario Case Study

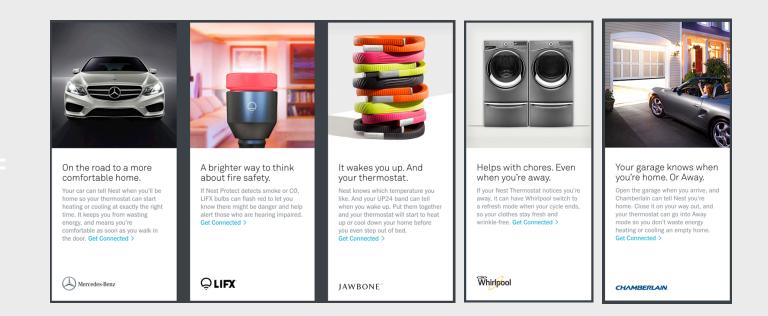
- Each Nest Thermostat can save .5 tonnes per year of carbon emissions, based on gas savings and the fuel mix of Ontario's electric system.
- 100,000 Nests equal taking 15,000 cars off the road for a year.





#### Plus: A Growing Ecosystem of Partners





#### Questions?

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