



The Future of Energy Efficiency in Industry

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Large scale transformation



The Industrial Internet of Things

**20 Billion
devices**



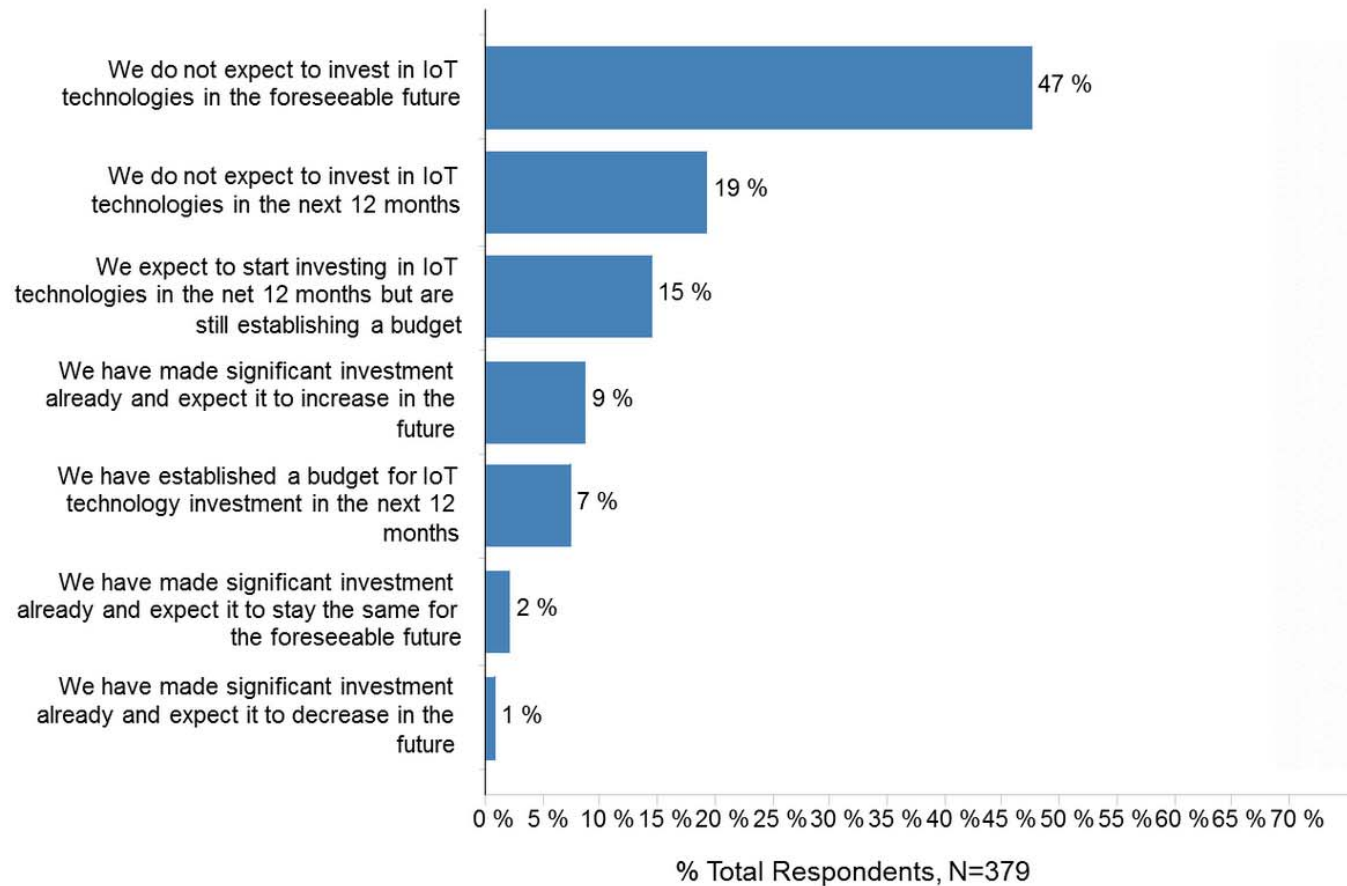
**45% of
Businesses**

**don't know how it
will impact them**

**\$1 Trillion
market 2020**

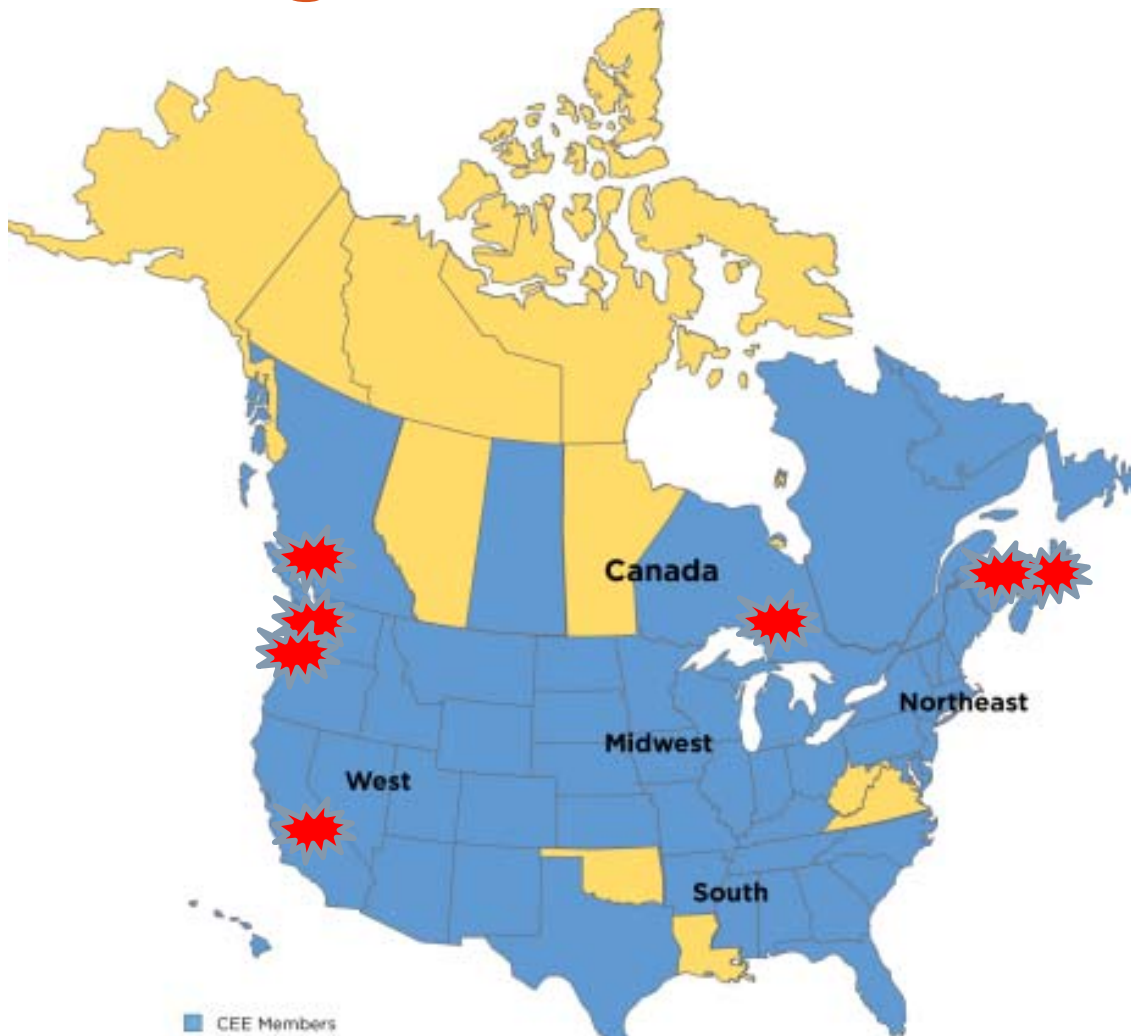
It's new, but it's happening now

Please indicate the nature of investment in IoT technology expected going forward



Source: LNS Research 2014

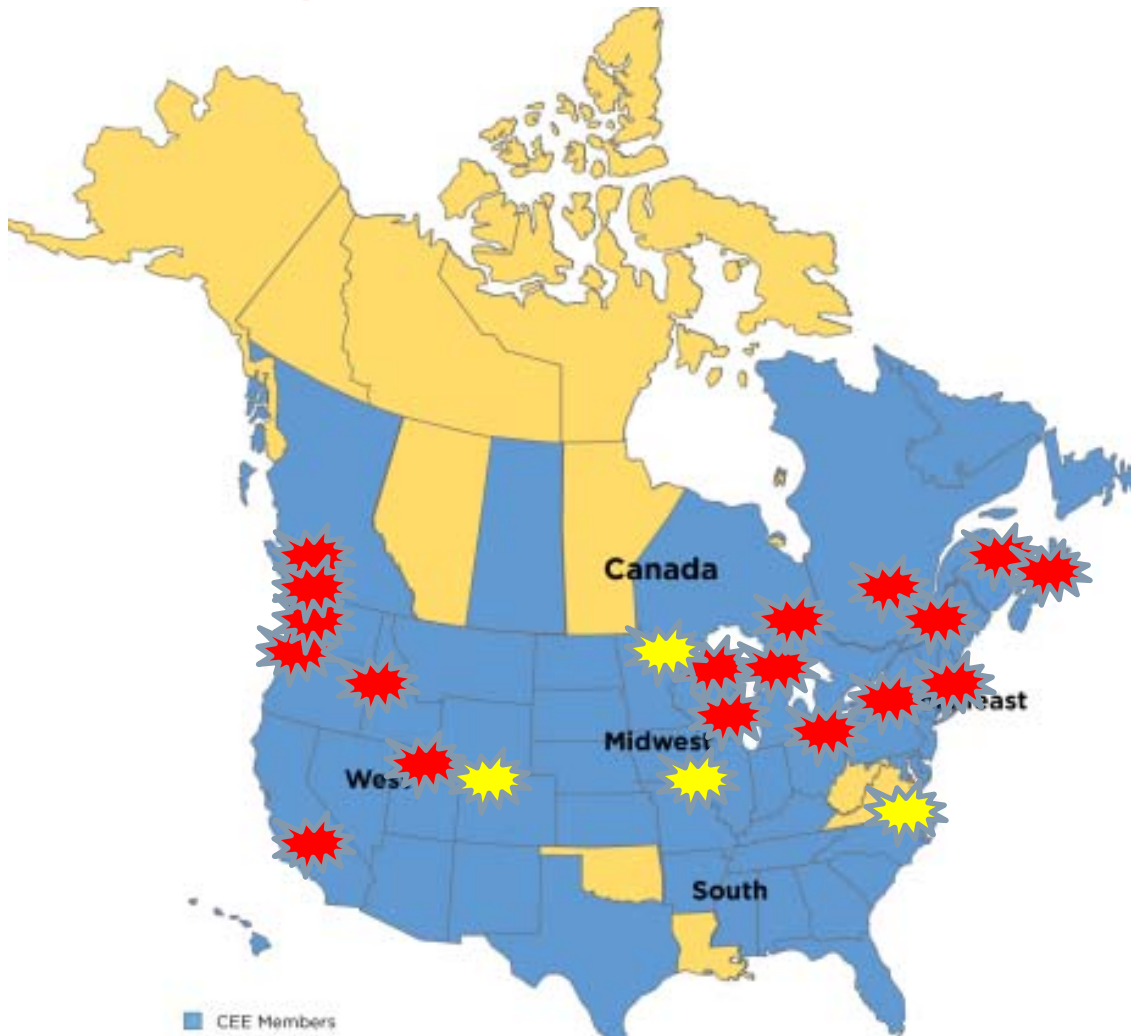
Strategic Energy Management Programs 2011



SEM Programs & Pilots

BC Hydro
BPA
Efficiency New Brunswick
Efficiency Nova Scotia
Energy Trust of Oregon
OPA
Southern California Edison

Strategic Energy Management Programs 2014



SEM Programs & Pilots

- AEP Ohio
- BC Hydro**
- BPA**
- Commonwealth Edison**
- Consumers Energy
- Efficiency New Brunswick
- Efficiency Nova Scotia**
- Efficiency Vermont**
- Energy Trust of Oregon**
- Focus on Energy WI**
- Idaho Power
- Nicor Gas**
- OPA
- PPL Electric Utilities
- Puget Sound Energy
- Rocky Mountain Power**
- Southern California Edison
- Sothern California Gas Co.

Bold indicates programs that use the CEE SEM Minimum Elements in program design or delivery

IIoT: It's a new landscape



Opportunity nears Solander Point at Endeavour Crater Sol 3385 Credit: NASA/JPL/Cornell/Marco Di Lorenzo/Ken Kremer

- ▶ What are its key features?
- ▶ How will it impact energy?
- ▶ What role should efficiency programs play?



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Discussion

