Commercial Buildings as Grid Assets
Smart Building Trends and Successes
Clay Nesler
2018 Energy Efficiency Indicator Study – Increase in plans to invest in EE/RE Measures

**Green Building Certification**
US respondents that plan to have one or more green certified buildings in the future

72%

**Net Zero Energy/Carbon**
US respondents that are very or extremely likely to have one or more facilities that are nearly zero, net zero or positive energy or carbon status in the next ten years

61%

**Going off the grid**
US respondents that are very or extremely likely to have one or more facilities able to operate off the grid in the next ten years

54%

Note: Preliminary survey results based on responses from 100 US based facility and energy management executives

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Building systems integration
Energy management process (e.g. ISO 50001)
Non-renewable distributed energy generation
Security system improvements
Integration of lighting systems with other building technology systems
Electric energy storage
Fire/life safety system improvements
Centralized building operations center
Onsite renewable energy
Demand response / demand management
Water efficiency improvements
Integration of fire/life safety with other building technology systems
Integration of smart building equipment with other building technology...
Integration of building management systems with other building...
Integration of security systems with other building technology systems
Building envelope improvements
Thermal energy storage
Retro commissioning and building system tune-ups
Energy management and analysis software
Building controls improvements
Lighting improvements
Heating, ventilation, air conditioning (HVAC) improvements
Energy focused behavioral or educational programs

Note: Preliminary survey results based on responses from 100 US based facility and energy management executives
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