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Building Technologies Office

Energy Department Announces \$42 Million in Project Selections for Innovative Buildings Research

January 29, 2019

Today, the U.S. Department of Energy (DOE) announced up to \$42 million in project selections to support early-stage research and development (R&D) of innovative residential and commercial building technologies for energy efficiency.

Buildings use 75% of U.S. electricity and account for 40% of U.S. overall energy use. Energy efficiency is a key driver of overall economic efficiency and part of DOE's mission to increase energy affordability and energy security. The technology developed from these early-stage R&D projects is designed to help consumers and businesses save energy costs and drive domestic economic competitiveness.

A total of 46 research teams were selected as a result of three fiscal year 2018 funding opportunity announcements (FOAs) issued by the Office of Energy Efficiency and Renewable Energy's [Building Technologies Office](#). Major focus areas under each FOA include:

- *Buildings Energy Efficiency Frontiers & Innovation Technologies* – [19 selections for \\$19.5 million dollars](#)
 - Advanced separation technologies for dehumidification
 - Innovative materials for thermal insulation
 - High performance windows
 - Advanced controls and automation in building energy management
 - Innovative technologies using natural gas
- *Solid State Lighting* – [11 selections for \\$11 million](#)
 - Core technology research for LEDs and organic LEDs (OLEDs)
 - Proof-of-concept and prototype development for LEDs and OLEDs
 - Advanced manufacturing R&D focuses on chemistry and physics of LED/OLED panel fabrication
- *Building America* – [16 selections for \\$11.5 million](#)
 - Development and validation of high performance residential envelope systems that provide moisture management and validation of high performance envelope specifications for performance and durability

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- Heating, ventilation and air conditioning (HVAC) installation and performance
 - Gap analysis of building industry standard practices

For more information on the selections visit the Energy Department's [Building Technologies Office](#) web site.

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