

OpenBlue Healthy Buildings

Pulse Survey Higher Education



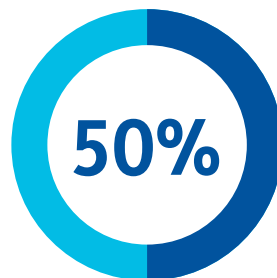
Our healthy buildings pulse study surveyed 100 Higher Education (University or College) facility executives in the US in November 2020.

Protecting occupant health and safety, and operational efficiency, drive COVID-19 building investments

With the pandemic, facility managers have new concerns about building health, changing their motivation for building investments.

Protecting the health and safety of occupants during the COVID pandemic	71%
Protecting the health and safety of occupants during emergency situations	70%
Improving operational efficiency	68%
Customer attraction/retention	67%
Energy cost savings	67%

Half of surveyed facilities still plan to increase investment in energy efficiency or smart building technologies in the upcoming year.

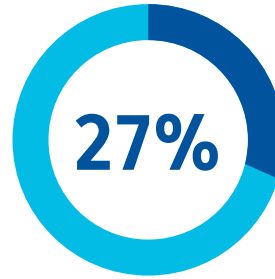


Investment

percent of organizations plan to increase investment in energy efficiency, renewable energy, or smart building technologies.

Air treatments and ventilation represent top COVID-19 building investments

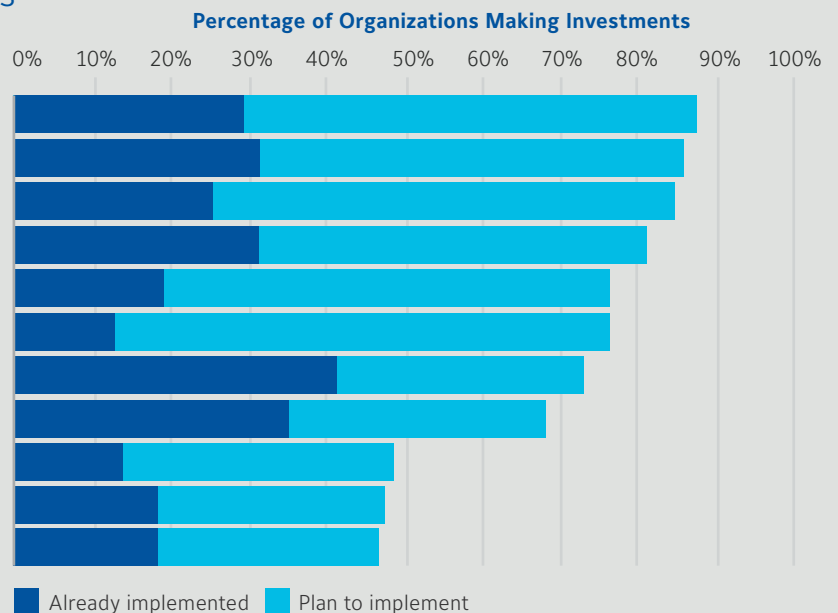
Industry, trade, and public health organizations have recommended various changes to buildings to help control the spread of the virus. In addition to increasing work schedule flexibility and reducing occupancy density, more than half of organizations have performed indoor air quality assessments, introduced elevated temperature scanning systems, and increased air filtration.



Investment Funding
percent of organizations using economic stimulus and recovery funds to pay for building improvements.

COVID-19: related building investments

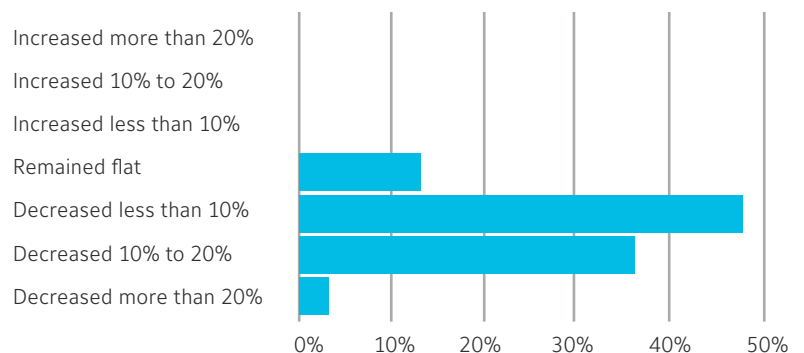
- Perform an indoor air quality assessment
- Introduce occupant elevated temperature scanning systems
- Increase work schedule flexibility
- Increase air filtration
- Install air treatment system (e.g., UV-C, bipolar ionization)
- Reduce occupant density
- Increase outdoor air ventilation rates
- Recommission building systems and equipment
- Introduce social distance tracking and tracing systems
- Add pressurized occupant isolation rooms
- Introduce touchless entry and access



COVID-19 did not significantly reduce building energy consumption, despite less occupancy

Increasing outdoor air ventilation and air filtration can significantly increase energy use, depending on building type and location. This increases the importance of energy efficiency. During the pandemic, less than 10 percent of organizations have experienced an energy use reduction of greater than 20 percent despite significantly reduced building occupancy.

How facility energy use changed during the COVID-19 pandemic



About OpenBlue

OpenBlue is a complete suite of connected solutions that serves industries from workplaces to schools, hospitals to campuses, and beyond. This platform includes tailored, AI-infused service solutions such as remote diagnostics, predictive maintenance, compliance monitoring, advanced risk assessments, and more. A dynamic new space from Johnson Controls, OpenBlue is how buildings come alive.



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