EVOLVE INTO THE CLEAN ENERGY ERA

Energy is a priority for organizations like yours—if systems go down, you lose revenue. But, in the decarbonized era, reliability isn't the only energy goal. Organizations that establish a clean energy framework will decarbonize more of their operations and build a flexible, sustainable system that cuts costs and adds revenue. Here are five essential elements of a clean energy framework.

Energy Audit

You can't reduce what you don't measure, so organizations benefit from an energy audit to benchmark energy uses. This process will help identify low-cost strategies and design solutions that modernize your facility and increase sustainability.

Fundamental Energy Strategies

About 30 percent of energy used in commercial buildings is wasted due to system inefficiencies like outdated electrical systems, inefficient energy sources, and weakened building envelopes. Don't overlook the fundamental energy efficiency strategies such as additional insulation, energy-efficient heating and cooling, glazed windows, and lighting control.

Clean, Onsite Generation and Storage

Organizations include solar panels and battery energy storage systems (BESS) to cut carbon emissions, counter the rising cost of delivered energy, and monetize energy sources to control operational expenditures. Organizations can potentially sell stored surplus power back to utilities (at the commercial scale, utility compensation can be significant), which offsets the costs of onsite generation. Remember that even blended energy systems help decarbonize operations, so veto an all-or-nothing mindset.

Modular Energy Design

There is no shortage of clean energy options; a modular energy design helps optimize them all. A modular design is flexible, scalable, and accommodates modern technologies without redundant investments. For example, organizations may start with solar and BESS technologies. A modular design allows organizations to add more solar and different energy sources, such as hydrogen, to meet future needs. It can also expand to support new facility services that require energy, such as an electric fleet.

Green Buildings

Organizations use "beneficial electrification" to include efficient technologies to swap out fossil fuel-powered furnaces, boilers, and water heaters. Regulations supporting all-electric buildings continue to hit the books, so organizations are shifting from natural gas in favor of electric-ready options to reduce carbon outputs of their facilities.

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