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Louisville Gas & Electric Dramatically Improves Indoor Air Quality and Reduces Their Own Energy Bills with CES Duct Sealant Solution

Louisville, KY (June 16, 2020) – Crestwood, Kentucky based Critical Environmental Solutions (CES) recently installed an emergent technology in sealing ductwork in the downtown home office of Louisville Gas & Electric (LG&E). Early data shows a greater than 80% reduction in leakage which not only reduces costs, but dramatically improves the air quality by preventing unfiltered air from entering their occupied spaces. “What started out as a simple response to staff complaints regarding comfort (we could never regulate or balance the air temperature due to the leaks in our HVAC system) evolved into a very timely solution that speaks directly to the safety challenges of Covid-19,” said Sarah Young, Project Manager of LG&E. “My focus was to stop the leakage. Especially in older buildings, ductwork sealant has largely failed and moving the air through filters and maintaining comfort across our offices has become increasingly important. I’m happy to know that we reduced the likelihood that the air we breathe, with all the pollen, dust particles and other contaminants that were entering our HVAC system and circulated throughout the office are now being filtered as the system was designed to do. CES helped restore our HVAC system to optimal performance in both efficiency and filtration.” In fact, this is the second CES installation that LG&E has undertaken this year with similar results.

Bob Soffel, CES President, stated that while he is glad to hear of LG&E’s experience, it would be a shock to hear otherwise. “This technology has everything going for it from immediate energy savings, which is good for the planet as well as the checkbook, to the undisruptive nature of the installation itself,” Soffel went on to say. “While empirical data on the system’s ability to protect against air borne viruses such as Covid-19 is not available, it’s not a question of if it offers protection, but how much. Improving the ability of ductwork to control the airflow certainly increases the value of filtration. We offer complimentary technology to purify the air once the airflow is controlled. But controlling the airflow is job one.”

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About Critical Environmental Solutions (CES) CES is dedicated to finding, vetting and deploying emergent efficiency and infection control technologies in the air and water systems of private and commercial buildings. For more information, visit www.ces.works