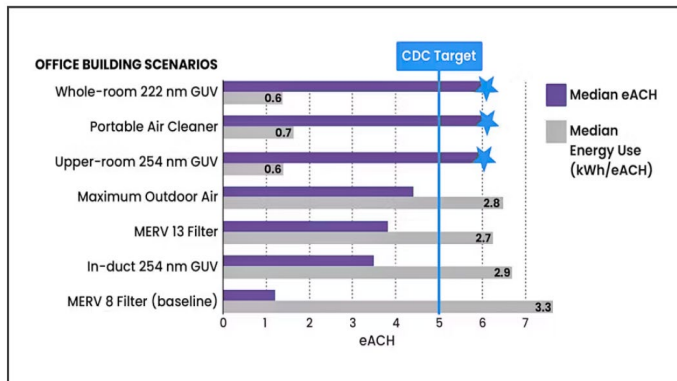


The Value of Achieving Clean Air Targets

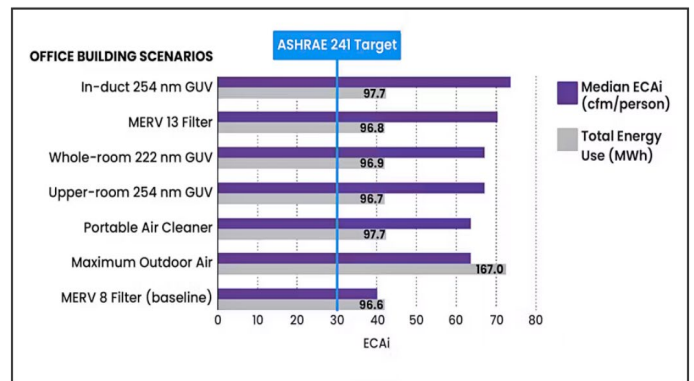
A review of studies demonstrating Beacon's ability to meet and exceed indoor clean air targets

The threats posed by germ spread underscore the need for scientifically proven and effective disinfection solutions. Whole-room 222 nm GUV, Beacon's underlying disinfection technology, has been scientifically proven to exceed both CDC and ASHRAE disinfection targets, establishing itself as the gold standard for mitigating germ transmission in commercial and professional spaces.

The charts below, sourced from [a study](#) conducted by the Pacific Northwest National Laboratory, illustrate the efficacy of various pathogen mitigation measures. In comparison to standard MERV 8 filters and mitigation methods, Beacon's technology consistently stood out as one of the most effective and efficient air-cleaning technologies available, dramatically meeting and exceeding both CDC and ASHRAE exchange targets.

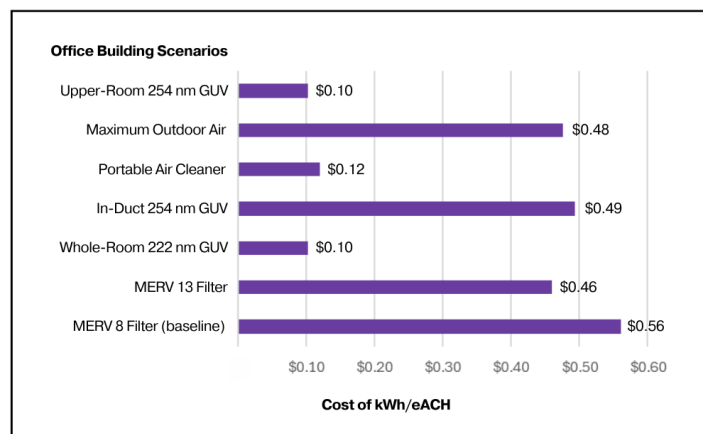


Median eACH and energy use of scenarios to achieve CDC ventilation targets



Median ECAi and energy use of scenarios to achieve ASHRAE Standard 241

Furthermore, when analyzing this data alongside national average electricity costs, Beacon's technology proves to be significantly more cost effective on a kWh/eACH basis in comparison to all other mitigation measures. This includes an impressive 82% cost reduction relative to standard Merv 8 baseline filters.*



* Assumes 93 m2 (1,000 ft2) rooms with 2.4 m (8 ft) ceiling heights and ASHRAE 62.1 design occupancy levels

Contact Beacon to learn how our intelligent disinfecting technology can be an efficient and economically viable method for improving your indoor air quality.