



RESTORATION PROJECT PROFILE



AHU RESTORATION SAVES BEACON HEALTH MORE THAN \$2 MILLION

South Bend, Indiana

The Challenge:

When Beacon Health's facilities team turned their attention to two rooftop air handling units, they knew a decision could not wait much longer. AHU-1 and AHU-3 were failing, and full replacement had emerged as the obvious path forward. The estimated price tag, however, told a different story: \$3.65 million, and that was before the costs of re-engineering for new units, crane logistics, wall demolition and temporary conditioning during downtime. For a hospital running 24 hours a day, seven days a week, the prospect of operational disruption made an already difficult case even harder to justify.

Building Type: Healthcare

Project Type: Air Handler Restoration

Timeline: One month total (AHU-1: 5 nights of construction; AHU-3: 9 nights of construction)

Cost Savings:

\$2 Million +



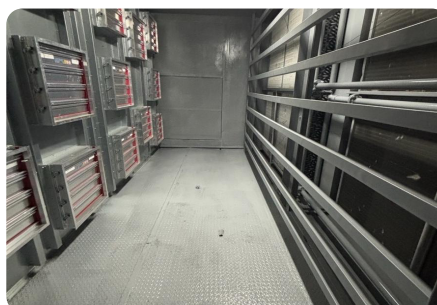
AHU Exterior Before



AHU Exterior After



Before Fan Array Retrofit



After Fan Array Retrofit



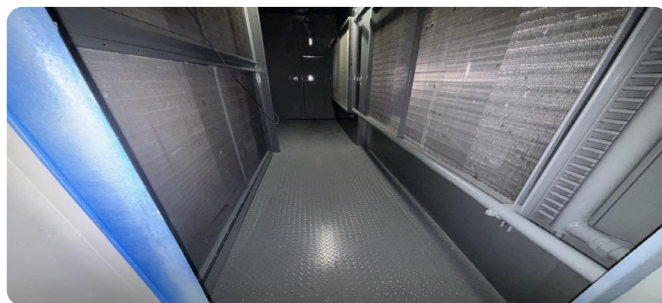
The Solution:

Rather than default to replacement, the Beacon Health facilities team partnered with WTI PureAir to take a smarter path. Working overnight to keep the hospital fully operational, the team restored each unit from the inside out: deep-cleaning coils to recover proper airflow, applying a corrosion and microbial-resistant coating to cabinet surfaces, and upgrading drain pans to anti-viral and anti-microbial standards.

The ECM fan array retrofit eliminated belts and grease fittings for good, replacing them with a redundant system where a failed fan is resolved by a simple swap, not a service call. After five nights on AHU-1 and nine on AHU-3, both units performed like new, backed by a five-year parts and labor warranty and Beacon Health saved more than \$2 million with zero downtime.



Before High-Performance Coating



After High-Performance Coating



Fan Array Before



Fan Array After



Before Drain Pan Protection



After Drain Pan Protection