



# CASE STUDY

## **Fort Wayne Housing Authority** HVAC Replacement

# PROJECT BACKGROUND

PowerSecure provided a design-build solution to replace the HVAC systems for the Fort Wayne Housing Authority in Fort Wayne, IN. The equipment was beyond its lifespan and in dire need of replacement. PowerSecure provided new, packaged air handlers with DX cooling and heat recovery wheels. In addition, new rooftop ductwork was installed to transport air from the building exhaust fans back to the HVAC units to recover the heat from the exhaust air streams and preheat intake air, significantly reducing energy consumption.

Our long relationship with our energy services customer motivated them to select PowerSecure to implement the project.

## THE CHALLENGE

Our customer, Johnson Controls Inc., contacted PowerSecure because the cost quote they received locally was too high for the project to meet the required payback criteria. PowerSecure's challenge was to implement the project in a more cost effective manner. Because the new HVAC equipment was heavier than the original units, structural reinforcement was required on the roof. PowerSecure designed a platform with reinforcement to allow the new units to be installed within the structural allowances of the buildings.





# THE SOLUTION

The project was completed in 2021 and since then has provided the benefits of more energy efficient equipment, better reliability, safer and easier access for serviceability, lower maintenance costs, and improved air quality for tenants.

