

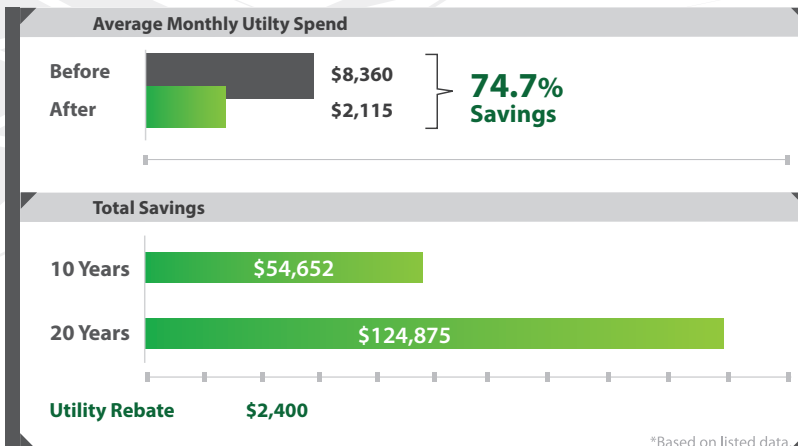


## GOODWILL INDUSTRIES

### PROJECT OVERVIEW GOODWILL INDUSTRIES

At its Detroit location Goodwill Industries assembles wiring harnesses and packages service parts. The facility requested The Energy Alliance Group (EAG) of Michigan's help in addressing a number of compressed air issues. These included eliminating pressure drop, providing additional capacity for future expansions, reducing operating costs and improving uptime and efficiency. Two Atlas Copco variable speed drive, oil injected rotary screw air compressors were selected along with a new filtration system, oil separator, compressed air tank and a closed loop supply line.

The replacement compressed air system resulted in a 75% reduction in energy consumption going from 72,956 kWh to 18,456 kWh for an average annual savings of \$6,244. Total 20 year savings are estimated to be \$124,875 yielding a 186% Return on Investment (ROI) and a 7 year pay back with the financing charges included. The project also qualified for \$2,400 utility incentive refund.



After



Before



Before