

**New York State
Environmental Investment Program
Capital Project Summary**

American Recycling & Manufacturing Co., Inc.

Project Background

The Rochester Hispanic Business Association, Inc. was the applicant on behalf of American Recycling & Manufacturing Co., Inc., (ARM) of Rochester.

Project Description

ARM proposed to enhance its wood recycling operations by upgrading its equipment to process higher volumes of materials and eliminate waste. ARM collects end boards used to protect plastic films, refurbishes them with power sanders, and recycles them by supplying them back to plastic manufacturers.

Before this project, ARM used a CNC router to cut wood materials, and a heavy duty industrial sander to remove laminate from any particleboard that is laminated. Because of the size of the cut on the router, a large quantity of fine sawdust and a large volume of wood waste were created. ARM needed to reduce this waste, and convert the waste it generates to a form that will be recyclable. The sawdust generated also needed to be captured to avoid particulates in the workplace.

To accomplish these waste reduction and recycling goals, and also increase the speed and volume of its

end board manufacturing and remanufacturing operation, ARM purchased a heavy-duty CNC panel saw. The panel saw can effectively cut a stack of three or more boards at once. This configuration greatly increased the efficiency and capacity of the operation while greatly reducing waste. Further, ARM purchased a new dust collection system that captures particulates, and ensures that the process will work effectively.

Project Results

Because of changing market conditions, ARM proportionately reduced the scope and cost of the project and invested less half the amount originally projected. Nevertheless they have gained benefits proportionately exceeding its goals. Based on market conditions at the time of award, ARM expected to recover 1,250 tons per year of particle board that was previously discarded. ARM is now recovering and reusing approximately 875 tons of particleboard per year which is creating \$455,000 per year of economic value to the firm in increased sales and processing efficiency. ARM also created 5 new jobs, which is equal to the original projection. As an additional benefit, ARM reduced its generation of sawdust by 62%.

Contractor:	Rochester Hispanic Business Association, Inc.	NYS EIP Investment:	\$24,750
County:	Monroe	Contractor Match:	\$42,081
ESD Region:	Finger Lakes	Total:	\$66,831
ESD Contact:	518/292-5340	Completion Date:	March, 2007