

Environmental Impact of Remanufacturing

Remanufacturing involves the dismantling, cleaning, repairing, replacing components as necessary, and reassembling to produce a like new product that is functionally and cosmetically as good as or better than new. *Remanufacturing* consumes less energy and fewer raw materials than the original manufacturing process.



Each year, remanufacturing office panels at Davies results in energy savings that could power 342 average U.S. households for one full year.



The energy savings from remanufacturing 1 office workstation (5 panels) could power 10 average American households for one whole day.



One year of office panel remanufacturing at Davies conserves approximately 8.5 million pounds of raw materials.



Remanufacturing 100 workstations could power 3 households for one year.



One year of office panel remanufacturing at Davies avoids the release of more than 6.9 million pounds of CO₂ into the environment. Helping reduce the “Greenhouse” effect on Mother Earth.

Information prepared by: National Center for Remanufacturing and Resource Recovery (NC3R)
Rochester Institute of Technology – May 2005

Installing Davies remanufactured systems furniture contributes to these LEED credits:



LEED NC / LEED CI

MR 3.1/3.2*	Resource Re-use	Include remanufactured furniture as a part of total materials costs
MR 3.3 **	Resource Re-use 30%	Use existing furniture (as-is or refurbished)
MR4.1/4.2	Recycled Content	Use fabric with recycled content; worksurfaces with re-used particle board
MR 5.1/5.2	Regional Materials	Projects with-in 500 miles of Albany, NY (includes NYC, Boston, Philadelphia)
MR 6	Rapidly Renewable Materials	Consider linoleum, PLA fabrics, wheatboard, cork as alternative surface materials to typical laminates and fabrics
MR 7	Certified Wood	Include new or as-is furniture that is FCS certified
EQ 4	Low Emitting Materials: Adhesives/Sealants	All Davies adhesives meet the required VOC limits
EQ 4.2	Low Emitting Materials: Paints/Coatings	All Davies paints meet the required VOC limits
EQ 6.1/6.2	Controllability of Systems	Use individual adjusted tasklighting
EQ 8.2	Daylight & Views	Consider lower panel heights and/or glass panels

* LEED NC only

** LEED CI only

The top 10 reasons you should consider Davies before buying new!

- 1. Cost Savings:** SAVE 40 to 70% as opposed to buying new.
- 2. Asset Recovery:** Davies will help you trade, bank or liquidate surplus workstations for cost avoidance on current or future projects.
- 3. Recycle Existing Assets:** Davies can help you recycle existing assets or capture the imbedded value through "Product Exchange".
- 4. Steelcase, Haworth, Herman Miller, Knoll and more . . .** Davies remanufactures all major brands.
- 5. Largest Remanufacturer:** Davies is the largest independent remanufacturer in the U.S. with a proven track record since 1948.
- 6. Quality:** Davies 300,000 Sq. Ft state of the art factory produces the highest quality remanufactured furniture in North America.
- 7. MWBE Status:** Davies is a certified Woman Owned business.
- 8. Environmental Impact:** Each recycled workstation diverts approximately 800lbs of waste from our Nations landfills.
- 9. LEED Credits:** Remanufactured/Recycled office furniture can help build up LEED credits while saving you money at the same time.
- 10. Support Services:** CAD Design, Project management, Installation, Moving & Move management, Asset & Inventory management are available from Davies to assist you in successful turn key projects.

Davies Product Exchange and Banking Programs

Allows clients to maximize the value of their existing assets towards current or future needs. Both programs qualify and conform with IRS regulation code Section 1031 (a) relating to “Like-Kind” exchange. In each case, Davies will exchange or return a physical “Like-Kind” of remanufactured furniture equal to the amount banked or exchange by the client. The client will pay the agreed price for the remanufacturing services provided.

The value of the product deposited or exchanged with Davies will vary by product, age and condition. Both parties acknowledge that the value of individual products vary from time to time due to changing market conditions, technical obsolescence and various external factors impacting the furniture industry.

It is important to note that these transactions represent no transfer in Title. The client has neither a gain nor loss with product exchanged or banked with Davies.

Benefits include:

- 1). Client can continue existing depreciation schedule.
- 2). Eliminates the cost associated with storing unused furniture including the lost “opportunity costs” associated with the space used to store the furniture.
- 3). Provides a value for product that was purchased years ago.
- 4). Provides the opportunity to change product specification to fit today’s needs rather than trying to make yesterday’s decisions compatible with present and future requirements.
- 5). Provides client with completely recycled, remanufactured furniture at a minimal cost. These costs can be either expensed or capitalized depending on each situation.
- 6). Provides a pro-active “environmental” approach in dealing with the re-use and re-deployment of existing assets.