



CONGRATULATIONS 1999 GREEN GLOBE WINNERS!



AWARD -

o matter where you travel—whether to Spokane or Shanghai—chances are a Boeing aircraft will take you there. Long recognized as the international leader in the design

and manufacture of commercial airplanes, the Boeing Company is a true "world citizen." Just as important, perhaps, is the role of Boeing as a good corporate citizen. In recognition of its three decades of environmental stewardship, Boeing received the Green Globe Award for Recycling, Reducing Waste and Using Recycled

Products presented on April 22nd at King County's Earth Day awards ceremony.

As Distinguished Green Works members, the six King County Boeing facilities engage their employees, customers, and communities in their waste-prevention programs. The company's environmental approach dates back to 1973, when it became one of the first U.S. manufacturers to introduce corporate-wide paper recycling. Today,

> many waste- and resource-sensitive programs at Boeing include an internal web page dedicated to energy conservation,

> > recycling and waste prevention, and an annual Energy and Conservation conference that keeps employees current on environmental issues.

> > For Boeing, assuming resources are scarce rather than abundant

fosters creative and economical ways to work. Perhaps the most notable example is how the Product Design Improvement Process has revolutionized the company's aircraft design methods.

-see BOEING, page 2



Sellen - Setting the Example

Leader In Sustainable Building

ou've probably seen Sellen Construction's projects-new office buildings on Microsoft's campus and a Target retail store are just a few. What you can't see, however, is the resource efficiency this commercial construction company builds into every job. Sellen's commitment to waste prevention and recycling has earned them the Green Globe Award as 1999 Leader in Sustainable Building.

Nominees for this award must practice at least six waste prevention strategies, recycle at least 60% of their construction waste, and use six or

—see SELLEN, page 2

Inside this issue:

- The Business of Recycling A Quarterly Profile: Waste Management Page 2
- Green Business Directory Businesses protect salmon habitat Page 3
- Distinguished Green Works Members

Profiles of twelve members!.... Page 4

1999 GREEN GLOBE WINNERS

Boeing, continued

By switching from hard-copy drawings to digital graphics, Boeing has honed its competitive edge, saved mountains of paper, and cut costs by hundreds of millions of dollars (see "No More

Paper Airplanes" sidebar).

Going "paperless" has also streamlined communications with employees and customers. Anyone needing a manual for a Boeing aircraft—engineers, potential buyers, or airline mechanics—can find updates online. And more than 150,000 computing workstations companywide ensure each employee's access to e-mail and to the digital forms used by every department, from Finance to Facilities.

Packaging waste plagues many industries, but the company's strong stand against this common problem is reaping financial and environmental rewards. A special engineering group works fulltime on packaging reduction, coordinating with suppliers and customers to cut waste while ensuring that parts arrive undamaged. Boeing uses its own role as a valued customer to promote its waste-free ethic. Many contracts actually require suppliers to use reusable or recyclable packaging. The company saves \$20 million a year just by returning packaging to suppliers for reuse.

When it comes to recycling, Boeing is constantly pushing the edge of the envelope. Last year, the company launched "Boeing Recycles!" a program to encourage employees to improve their waste prevention and recycling practices. The King County facilities now recycle an amazing range of

materials: all types of office paper, aluminum, tin and steel cans, ferrous metals, HDPE plastics, yard waste, wooden pallets, film plastics, view foils, Mylar, microfiche, packing peanuts, concrete, asphalt, and waterjet slurry.

Boeing goes the extra mile to "close the loop" by purchasing recycled-content products. Its Commercial Airplane Group Headquarters in Renton was built with recycled structural

steel, furnished with countertops made of recycled newsprint and conducts business using more than a hundred recycled-content office products, from business cards to calculator tape.

More than just good ideas in action, environmental successes at Boeing are fueled by the "Principles for the Environment" statement. The "Wise Use of Resources" section sets a challenging course: "We use only what we need and find ways to do more with less. We maximize recycling and reuse of materials. We make energy conservation a priority. We reduce, minimize, or eliminate the generation of waste and the release of potentially



No More Paper Airplanes

At Boeing, design drawings have gone the way of the biplane. Using a CAD/CAM digital system that immediately updates designs and simultaneously links engineers, designers, and production, Boeing designed the 777 aircraft without paper. Using Digital Airplane Design, the company eliminated more than 375,000,000 drawings—enough to fill 5,000 garages! Financial savings alone were \$375 million for the project.

Boeing is now investing in new tooling and digitizing original engineering drawings for its most profitable plane, the 747 jumbo jet. This state-of-the-art tooling will cut costs and create new opportunities for 747 derivative models to compete with rival Airbus Industrie's A340-600, and its planned A3XX.

hazardous materials to the environment."

For Boeing, it's a philosophy that protects their edge in the world market while protecting the environment.

To learn more about the waste management techniques at Boeing, contact Fay Weaver at 425-865-5350.

Sellen, continued

more recycled-content products. They must also promote these activities to their employees, customers, and community.

Kirk Thomson, Director of Energy & Envi-

romental Affairs at Boeing, displays a pet

bowl made with recycled plastic pellets.

Sellen's "reduce, reuse, recycle" rates reach exemplary heights. On a recent Microsoft campus project they reached a 74% recycling rate and saved \$186,000. They used recycled-content products such as aluminum window frames and compost. At its Woodinville Target site, 82% of job-site waste was recycled, saving 65% in disposal costs. There, choosing innovative laser-scree technology to build a super-flat concrete floor eliminated the need for wood forms and an entire concrete pour.

"What makes job-site recycling work is instilling enthusiasm all the way down to the person throwing it away," says George Montaperto, site superintendent. Consistent communication promotes the company's waste-free ethic. Sellen involves subcontractors in generating waste prevention ideas at pre-construction meetings, and keeps crews motivated by posting recycling goals, techniques, and results on-site. Cooperative resource awareness often



Job-site displays show recycling results, keeping Sellen employees involved and motivated

extends into the parking lot: over 50% of Sellen crewmembers carpool to work on some job-sites!

As Sellen's project manager Wilf Wainhouse says, "Sustainable building practices are the direction the industry is going." Thanks Sellen for leading the way.

Green Business Directory

Businesses Helping to Protect Salmon Habitat

The fourth annual Green Business Directory is hot off the press and available to anyone that wants to locate King County businesses and organizations that protect our environment. Order your free copy of the Green Business Directory by calling 206-296-8800 or email us at greenworks.swd@metrokc.gov.

The businesses and organizations featured in this Directory are members of Green Works, EnviroStars and/or Businesses for Clean Water programs. In their efforts to conserve resources, prevent pollution and build sustainably, these companies are helping to protect salmon habitat. This is especially important now that several local species of salmon have been listed as "threatened" under the Endangered Species Act (ESA).

Green Business Directory-1998

Why is saving salmon so important?

According to Northwest tribal legends, salmon are actually human beings that transform themselves into animal form for the yearly journey up-river to spawn.

The mystic salmon enjoy eternal life—providing sustenance for fellow humans as long as people respect the natural world.

That eternal life is ending. In March 1999, wild Puget Sound chinook salmon were listed as a "threat-ened" species under the ESA. What does this mean for salmon—and for humans? The salmon's threat-ened status is a sign that something is amiss with our natural environment. Healthy salmon require healthy watersheds and clean water—as do humans. By keeping our watersheds clean and healthy, we keep our drinking water pure and clean.

The businesses in the Green Business Directory contribute to healthy habitat and clean water by conserving resources, preventing pollution, and taking care to develop in a sustainable way. They have taken the first steps toward improving the quality of our local watersheds and toward helping to protect salmon habitat.

How the Directory works

The Green Business Directory can be used by businesses and residents to support companies that care about our environment. The Directory also lists tips that residents and businesses can use to protect salmon habitat—from practicing environmentally-friendly grounds maintenance to choosing washing machines. The Directory also comes with a list of resources to assist your company with its environmental issues. Numbers are limited, order your copy of the Green Business Directory soon! •

How Your Business Can Protect Salmon Habitat

Learn more about salmon and the **Endangered Species Act**:

- The Salmon Help Line will answer questions about salmon, the Endangered Species Act and the salmon recovery effort: 1-877-SALMON-9
- Salmon Information Center Website: www.salmon.gen.wa.us
- King County ESA Home Page: www.metrokc.gov/exec/esa
- Washington State Salmon and ESA Home Page: www.wa.gov/esa/
- King County ESA Speaker's Bureau will send knowledgeable speakers to your meeting to talk about the life cycle of salmon, how they are impacted by human activities and ways you can help to protect salmon habitat. Call 206-296-8029 to request a speaker.
- Volunteer opportunities are available. Call Polly Freeman at 206-296-8359 for more information about how you can help.
- Grants are available for resource protection projects in King County.
 - Watershed Action Grants: 206-296-8494
 - · Waterworks Grants: 206- 296-6519

The Business of Recycling

A Quarterly Profile of Your Local Recycling Service Providers

Waste Management

Whether your business produces enough waste to fill a 64-gallon cart or a 50-cubic-yard roll-off box, Waste Management can collect your waste and recycle it.

Waste Management's local facilities currently process 14,000 tons of waste per month that will be recycled. With collections in every King County community except Vashon Island, the company maintains two materials recovery facilities, located in Woodinville and in Seattle. Here they handle standard recyclables such as mixed paper, newspaper, cardboard, cans and bottles, as well as the not-so-standard stuff: film plastics like shrink wrap and dry cleaner bags; wood debris (unpainted, untreated dimensional lumber, plywood, and crates); and pre-consumer composting, including waxed cardboard, targeted to the grocery industry.



A Waste Management truck unloads vegetable wastes collected from commercial customers.

Always looking for new ways to serve its commercial customers, Waste Management is considering branching out into the collection of post-consumer food waste for composting, once permits are secured.

How can a small business afford to take advantage of these services? Waste Manage-

ment's Mike Pearia suggests that even a business producing less than one cubic yard of waste per week can usually reduce its garbage enough to offset the cost of recycling collections. "Try going to the least-expensive container, like cans or carts," offers Pearia. Arranging for recycling pick-ups every other week also helps cut costs.

If you'd like to know more about the recycling possibilities of your business's waste materials, Waste Management will provide a free on-site waste stream audit. For more information about the company's commercial recycling service, call 425/814-1695 (north King County) or 206/243-4050 (south King County). ●



Waste Management



In Action: Distinguished Businesses in the Green

Aldrich Office, Art & Press

This office supply and printing store has always offered its customers environmentally sound options. Making copies? Aldrich offers recycled



paper at no extra charge. Looking for earth-friendly office products? Check out the special in-store displays.

Employees are encouraged to scout out and suggest recycled-content product alternatives. When it comes to running the store, Aldrich Office, Art & Press sets a good example of what a business can do. They recycle their photo and print chemicals, paper, cardboard, glass, and aluminum cans—for a recycling rate of 80%. They also prevent printing waste at the source by doing all of their layout on computer. For more information contact Andrea Aldrich at 206-463-1111.

Keeney Office Plus

Five Keeney Office Plus locations have now qualified as Distinguished Green Works members. The stores in Bellevue, Redmond, Bothell, and Woodinville, and the Distribution Center in



Redmond, all feature a wide variety

of products containing recycled materials, and all locations accept spent toner cartridges for recycling. Keeney works with its distributors to prevent waste by using durable shipping containers instead of cardboard boxes. Even employee lunch breaks are geared toward waste prevention—the company has phased in durable dishware to replace disposables. For more information, please call Maureen Condit at 425-869-7555. •

PCC Natural Markets

The Fremont PCC is the latest in a long line of Green Works-certified PCC stores. Like the others, the Fremont store recycles or composts everything from the more common papers and metals to plastic shrink wrap, produce and meat scraps. The store has taken an active approach to preventing packaging and shipping waste by receiving much of its produce in returnable plastic shipping containers it helped suppliers to buy. PCC shares in ongoing programs like "Co-op Waste Busters" and "Get in the Loop" to educate staff and customers about waste prevention and recycled-content products. By using nearly 30 recycled products themselves, the store "walks its talk." For more information call Dave Berner at 206-547- 1222.

Jet City Espresso

Renton's inaugural espresso stand now pumps its high-test java from the site of an old gas station. When relocating the espresso and gift shop to the



station, owner Debbie Natelson decided to reuse the tire shelves and oil can racks—

what she calls "industrial chic"—to display merchandise and antiques. Jet City composts its coffee grounds and food waste in the store's worm and compost bins, and encourages customers to get some grounds "to go" to give their own worms a boost. Jet City Espresso proudly recycles 79% of their waste, while Debbie shares her waste reduction expertise community-wide in composting classes aired on Channel 28, Renton's local access station. For more information contact Debbie Natelson at 425-235-1529. •

The Boeing Company Commercial Airplane Group, Central & West Region and Shared Services Group, Bellevue

One of King County's manufacturing giants, Boeing also made a large impact with its 1998 recycling programs. Each of the King County Boeing facilities is now a Distinguished Green



Works member, and home to a full schedule of

recycling and waste-prevention activities—from the employee-sponsored newspaper and aluminum beverage programs to recycled-content purchasing. Meanwhile, the Reclamation Operation at Boeing handled 43 million pounds of aluminum, 22.4 million pounds of steel, 22 million pounds of paper, and 4.2 million pounds of plastics, wood and other recyclable materials this past year. This payload meant a big payoff: Boeing saved more than \$20 million dollars by recycling. For more information contact Fay Weaver at 425-865-5350.

Port of Seattle, Landscape Department

This small organic-based landscape maintenance group takes a natural approach in tending the Port of Seattle's properties. Through a variety of techniques, they have cut back on chemical fertilizer and pesticide use. One such technique, "grasscycling," also eliminates green waste: instead of bagging grass clippings for disposal, a —see IN ACTION, on last page

New Members

- Accounting Services DeMarr Carlson & Company CPA PS,* Kent
- Aerospace

Boeing Commercial Airplane Group, South Region,* *Auburn*

Boeing Military Aircraft & Missile Systems Group,* *Kent*

Boeing Shared Services Group, Reclamation Center,* *Kent*

■ Automotice Services

Les Schwab Tire Center,* Renton

Chiropractors

'A' Street Clinic of Chiropractic,* Auburn

■ Communications

Common Ground, Seattle Thomas and Betts,* Kent

■ Communtiy Centers

Stroum Jewish Community Center,* *Mercer Island*

Computer

Edwards Imaging,* Renton CDCOM,* Federal Way

Dentists

Camille Sata, DMD - Dentistry for Children, Seattle

Patricia A. Shigihara DDS, *Seattle* Wallingford Dental Arts, *Seattle* Gerrada O'Beirne, *Seattle* David A. Skvorak DDS, *Maple Valley*

■ Engineering Consulting
Aziz Engineering Northwest, Inc.,*

Aziz Engineering Northwest, Inc.,* *Redmond*

■ Entertainment

Muckleshoot Indian Casino,* Auburn

- Environmental Consulting MedTox Northwest,* Kent
- Finacial Services

Edward Jones Investment,* Federal Way
The Money Store Investment Corporation,*
Bellevue

Government

King County Department of Transportation, Information Distribution, *Seattle* Washington State Department of Natural Resources. *Enumclaw*

■ Insurance

St. Paul Fire & Marine Insurance Co., *Seattle*

Landscaping

Jane Newbold & Associates,* Maple Valley

■ Law Offices

Curran Mendoza P.S.,* Kent

Manufacturing

Meltec Division of Young Corporation, *Seattle*

B & G Machine, Inc., Seattle Young Corporation, Seattle Rainier Pallet Corporation,* Auburn Ranpak Corporation,* Kent

* renewals

— continued on last page —

In Action, continued

mulching mower blows the fine, nutrient-rich clippings into the turf to nourish the soil. The department even makes its own free compost by adding collected leaves to manure from Smith Brother's Dairy. The Landscape Department educates its Port property tenants about these effective, non-toxic practices, and will soon "go public" with informational signage at certain Port parks. For more information call Craig Chatburn at 206-728-3231.

CB Toyota-Lift

CB Toyota-Lift sells, leases, rents and provides maintenance service and parts for material handling equipment- including all brands of forklift trucks. Thanks to recycling and waste prevention,

CB TOYOTA-LIFT TOYOTA



there's very little heavy lifting in this company's waste stream. Their designated recycling coordinator bundles, bales, and palletizes recyclable materials, and hauls them to the local recycling depot every month. They return much of their packaging to manufacturers along with machine parts, and save polystyrene packing peanuts for company use. Only food waste and oily non-recy-

New Members

- Manufacturing, continued Bay Packaging & Converting Company,* Tukwila
- Medical Services Evergreen Hospital Medical Center,* Kirkland
- Real Estate and **Property Management** Richard E. Jacobs Group,* Tukwila Wright Runstad & Company,* Bellevue
- Restaurants Lil' Ion Restaurant and Lounge, Bellevue Cucina! Cucina! Italian Café,* Bellevue
- Retail Hands of the World, Seattle Dakota,* Bellevue Eddie Bauer Inc.,* Tukwila Foxfire Jewelers,* Woodinville The Athlete's Foot,* Tukwila Garden Botanika,* Tukwila Stride Rite Children's Shoes, Bellevue
- Retirement Homes Group Health Cooperative - Kelsey Creek,* *Bellevue*
- **Wholesalers and Distributors** ChemCentral,* Kent Costco Wholesale Corporation,* Tukwila

* renewals

clable boxes end up in the dumpster. Last holiday season, CB Toyota-Lift gave its employees closethe-loop gifts—70 fleece vests made from recycled plastic bottles. The vests were a hit with staff and showed great company commitment to sustaining recycled product markets. For more information, call Tamara Mackey at 253-872-7114.

Madison Master Builders, Inc.

For Madison Master Builders, looking out for the environment is a foundation of good building. Madison Master Builders curb their waste stream

by using detailed purchasing reports to prevent over-ordering building

materials. Each job site continues the commitment with free recycling bins. They work with suppliers to secure recycled-content and other environmentally friendly products. Madison's office uses recycled-content supplies; they build with recycled-content studs, drywall, insulation, floor systems and roofing. Says Tim Coultier, "We have a policy to buy recycled goods whenever possible and to think about our environment when purchasing any goods or services." For more information contact Tim Coultier at 206-222-6000.

Regional Building Services Corporation

Business is growing at Regional Building Services Corporation. Currently, RBSC provides its janitorial services to ten King County companies.

> The company credits its success to strong customer service-and one of the most

important ways RBSC serves customers is by supporting recycling in the workplace. RBSC's contracts specify that they'll conduct recycling in any building they service. Janitorial staff then go the extra mile to provide customers with desktop recvcling containers or to suggest effective recycling methods. Their daily efforts to promote recycling meet their mission statement's challenge to be a good neighbor and community leader. For more information, call Cecil Osborne at 425-820-6179.

J.C. Wright Sales Co.

The J.C. Wright Sales Company distributes food to King County grocery stores. When president Jack Wright noticed that waste was growing along with

his company, he took action. Now, the 32,000-square-foot warehouse SALES CO. hums with waste-wise practices. The company recycles paper, alu-

minum and metal cans, and cardboard; an exchange program promotes pallet re-use. Recycling plastic shrink wrap took the biggest bite

out of waste: The wrap is cut down, stored in barrels and delivered to Weyerhaeuser for recycling. Jack Wright states, "Employees are the heart of the program. All personnel are aware or our recycling practices and are responsible for the program." Employees can track their progress by checking the recycling figures posted on company bulletin boards. For more information, contact Jack Wright at 253-395-8799. •



The Bon Distribution Center

Using an innovative reuse program, the Bon diverts 50,000 hangers a month from landfills. The Bon convinced all of its vendors to use the same type of plastic hanger, and set up a system

The **BON**MAR (HÉ collects

the hangers from purchased clothing and returns them to the Distribution Center. The Distribution Center packages the hangers in specially designed storage boxes for shipment to a company called FRM, which then sells the hangers back to the vendors for less than the price of a new hanger. In addition to its 600,000 re-used hangers, the Bon also recycled 225 tons of plastic film and wrap last year. In total, the company recycled an impressive 94%-or 2900 tons-of materials. For more information call Daryl Meadows at 206-575-6659.

Garret Schwartz Insurance Agency

Not many businesses can grow 225% in four years while halving their paper use. But Garret Schwartz employees have adopted more than 20 waste prevention strategies in their aggressive, company-wide program. Computer technology plays a large role: Employees use e-mail whenever possible, and do everything from maintaining schedules to processing insurance applications via computer. The agency has also found cooperating with neighboring companies can cut waste. By joining their building-wide waste exchange, the agency, which produces virtually no waste paper of its own, can get free scratch paper for meeting notes. For more information contact Garrett Schwartz, at 253-395-0433.

So What is Green Works?

Creen Works is a team effort fostered by the King County Solid Waste Division, the Business and Industry Recycling Venture of The Greater Seattle Chamber of Commerce and King County suburban cities. Green Works provides technical assistance to companies interested in recycling and waste reduction, as well as recognition to King County businesses enrolled in the Green Works program.

Each Green Works member receives a designation recognizing the level of their achievements in the areas of waste reduction, recycling and purchase of recycled products. These members are referred to as "Businesses in the Green" or "Distinguished Businesses in the Green." Green Works "Partners" display the highest levels of participation in the program, along with active efforts to spread the word to neighboring businesses and the community at large. For more information, call 206/296-8800, 1-800-833-6388 (TTY Relay), or visit our web site at: http://www.metrokc.gov/dnr/swd/greenwrk.

Need Help? We're at Your Beck and Call!

Many companies already implement the minimal waste reduction and recycling practices needed to become Green Works members. Others are just getting started with these strategies. Whether you're a member or not, Green Works staff will provide assistance to get your company on the right track.

Our staff is available to address specific problem areas for your business, or outline a full program for you to follow. You'll do the right thing for the environment, provide a better place to work, project a positive image to your customers, and more often than not, save money. Sound good? To take advantage of Green Works, just give us a call at 206/296-8800, 1-800-833-6388 (TTY Relay), or e-mail us at greenworks.swd@metrokc.gov

Recycling Works

Recycling Works is a quarterly newsletter written and produced by King County Green Works, the recycling program of the King County Solid Waste Division. Recycling Works brings the King County business community information on how to join and participate in Green Works. Each issue is jam-packed with timely tips on waste-reduction strategies, eye-opening information pieces on the environment, and inspiring stories highlighting recycling efforts throughout the King County business community. Inclusion of a business, product or service in this newsletter does not constitute an official endorsement or sponsorship by King County or its Solid Waste Division.

Receive Recycling Works by Email

Cut down on waste and receive *Recycling Works* via electronic mail instead of the U.S. Mail. We'll send it to you in Portable Document Format (PDF) that is read by the Adobe Acrobat Reader. Just fax your request for the PDF version of *Recycling Works* to us at (206) 296-0197. Include your name, company, address and phone number, email address and URL address.

This material will be provided in alternate formats upon request for individuals with disabilities.

Commercial Car Fleets "Shift Gears" to Re-Refined Motor Oil

Larry's Market uses it for catering. It keeps the U.S. Postal Service delivering through rain, sleet, snow, and dark of night. And if Cascade Pest Control says it has no bugs — it has no bugs.

It's re-refined motor oil. These companies have found that shifting to this high-quality, environmentally friendly product keeps their commercial fleets moving. So have AAA of Washington, Baby Diaper Service, King County, and the cities of Bainbridge Island, Bellevue, Everett, Olympia, and Seattle.

Re-refined oil starts out as the used motor oil collected from auto parts stores or local service shops. The used oil is purified of additives, dirt, and contaminants



and completely rerefined to create a base lubricating stock. Performance packages are then added to this pure stock to yield appropriate viscosity weights and a high-quality

product costing generally the same as virgin oil products. In fact, re-refined oil meets or exceeds major car manufacturer warranty requirements and the specifications set for motor oil by the American Petroleum Institute. The API symbols on re-refined oil containers certify that the oil has been manufactured to meet the latest industry standards.



High quality re-refined oil keeps fleets moving!

Sounds good, but would you use it on a high-performance engine? Mercedes-Benz does! Re-refined oil protects its brand-new luxury cars as they roll off its German assembly line. Volvo, Ford, DaimlerChrysler, and General Motors also endorse the use of API-certified re-refined motor oil.

This "product with a past" has a real future. It can be re-refined again and again, with each "lifetime" helping to conserve oil resources. Its use helps create a market for used oil that might otherwise be burned or disposed of illegally, both of which add more pollutants to the environment. And, using it in your vehicles can make your business even more environmentally attractive to your customers.

If you would like more information about shifting to re-refined oil for your business, contact the "Shift Gears" Re-refined Oil Program at the King County Commission for Marketing Recyclable Materials at 206-296-4439. •

🕸 Printed on Freelife Cream, a recycled paper containing 15% post-consumer content and 5% mill-broke cotton fiber.

