

DEPARTMENT OF ADMINISTRATION Environmentally Preferred Purchasing

The Department of Administration continues to promote the purchase and use of sustainable and efficient supplies and products. As the Department progresses with this effort, more of these products are being added to statewide term contracts, agency specific term contracts, as well as awarded through open market bids. For more information visit the Purchase and Contract Web site: <http://www.ncpandc.gov/>

Solicitations advertised by the Division to Comply with the Session Laws 1993 {G.S. 130A - 309.14(a)}

Presently, the bids advertised in the Division of Purchase and Contract contain a Recycling and Source Reduction paragraph in item #10 of Instructions to Bidders. When developing bid invitation language, requirements and specifications, purchasers are continuing to look at alternative methods and products that result in waste reduction if their procurement is both practicable and cost-effective.

Recycling and Source Reduction information provided by the contractors on bids received during the 2007 to 2008 fiscal year indicate the sustainable features or criteria of those products. Table 1 lists the amounts and percentages spent categorized by primary sustainable features of the intended use, manufacture or packaging of the awarded products. Table 2 lists the purchase awards by the type of bid for those commodities.

Table 1

Primary Sustainable Feature of Awarded Purchases	Award Amounts by Sustainable Criteria ¹	Percentage Bids by Sustainable Criteria ¹
Recyclable	\$247,625,522	35%
Recycled and Recyclable Content Packaging	\$150,903,074	21.3%
Recycled and Recyclable Content - Metals	\$19,665,560	2.8%
Recyclable Content other than packaging and metals	\$26,889,643	3.8%
Energy Use Efficient	\$401,338	0.1%
Cleaner Fuels Usage	\$10,033,449	1.4%
Water Use Efficient	\$802,676	0.1%
Less Toxic	\$401,338	0.1%
Reusable or Refillable or More Durable	\$29,042,821	4.1%
Refurbishable	\$44,548,514	6.3%
Foods & Agricultural Products	\$33,712,389	4.8%
Chemicals, Minerals & Natural Materials	\$9,917,061	1.4%
Not Applicable – Typically Contractual Services	\$200,668,981	28.3%
Purchases Without Documented Sustainable Comments ²	\$33,712,389	4.8%

¹ Individual awards may support multiple sustainable criteria.

² Awards may include non-reusable medical products.

Table 2

Commodity Purchase Awards by Bid Type	Number Awards by Bid Type	Percentage Awards by Bid Type
Agency RFP	215	12.2%
Contractual Services	24	1.4%
Convenience Contracts	287	16.3%
Open Market	751	42.5%
Quotes	165	9.3%
Term Contracts	38	2.2%
Waivers	285	16.1%
Total	1765	100.0%

NC E-Procurement @ Your Service

NC E-Procurement @ Your Service, now in its seventh year of operation, continues to support the goal of "One North Carolina". As of December 2008, the enterprise-wide system has over 61,000 registered vendors, and over 15,000 users representing 228 entities across the State. This includes state agencies, hospitals and institutions, community colleges, K-12 public schools, universities and local governments. NC E-Procurement @ Your Service continues to contribute to a sustainable environment through significant reductions in hard copy document reproduction (paper, printers and supplies) through the use of electronic business transactions and electronic documents. NC E-Procurement also continues to support State priorities for environmentally preferable products. Over 15,000 catalog items on 40 different catalogs are clearly marked as "Recycled."

Purchasing Compliance Reviews

North Carolina Administrative Code (01 NCAC 05B .1605) mandates that the Division of Purchase and Contract to conduct compliance reviews on purchasing practices of all the state agencies (state agencies, institutions, hospitals, institutions, community colleges, and universities. All compliance reviews, except universities, are conducted utilizing data from NC E-Procurement @ Your Service. Electronic data reduces the necessity of conducting all phases of the analysis on-site; thereby increasing efficiency, as well as reducing travel costs, fuel emissions, and operating expenses.

IPS (Interactive Purchasing System) & Vendor Link NC

The Division of Purchase and Contract continues to promote opportunities for vendors to do business with the state through electronic advertisement of goods, services and design/construction in IPS. The entities using this system consist of state agencies, institutions, universities, community colleges, K-12 public schools, and local governments.

Vendor Link allows vendors to register to receive electronic notification of solicitations. Vendor Link had 21,782 registered vendors as of June 30, 2007. The system continues to grow with the addition of users increasing from 150 entities with 527 users as of June 30, 2008. This is an increased user base of 1% for the entities and users serviced, who posted 5,725 solicitations.

OPEN MARKET AWARDS

- **Low Flow Shower Heads** – 46 plumbing fixtures were purchased for the Department of Corrections with reduced flow rates to 2.5 gallon per minute to conserve potable water.
- **2007 Pre-Owned Vehicles** - 36 total used cars and pickups with extended power train warranties were purchased for the Department of Crime Control and Public Safety. Used vehicles blend into situations to conduct surveillance and undercover operations.
- **Used Seed Trays** - 10,000 trays for the growth of seedling plants were purchased for the Department of Natural Resources for replanting a 50 square mile area of federal game lands in rural eastern North Carolina burned by wildfires in June of 2008. Used trays were purchase that allowed for a 52% cost reduction.
- **Recycled Plastic Lumber** – Engraved sign stock, co-extruded from a minimum of 40% recycled HDPE (both post industrial and post consumer) was purchased by the Department of Environmental and Natural Resources for the Cliffs of the Neuse State Park. As an alternative to standard treated lumber, redwood and western cedar, the recycled plastic lumber conserves natural resources, requires no maintenance or treatment for pests or rot, and poses fewer environmental risks than traditional products. The use of the recycled materials reduces our landfill space and the need to extract and process virgin wood. Products require reduced maintenance (sealers or paints) and do not suffer from any of the traditional issues with wood, such as cracking, splitting, or warping.

- **Solar Panels** – An array of solar panels with a 3,800 watt generating capacity was purchased as a technology demonstrator and teaching aid for the electrical and electronics technology programs on the Rockingham Community College campus. Each of the seventeen panels consists of 50 polycrystalline silicon cells connected in a series with an approximate 5 foot by 2-1/2 foot panel. The solar unit includes the electronics for connection to the power grid which provides the ability to sell excess power generated to the power company.

NEW OR SIGNIFICANTLY IMPROVED STATEWIDE TERM CONTRACTS

The Division of Purchase and Contract has established new or significantly improved statewide term contracts for the following commodities.

- **Agricultural Tractors, 020A - New term contract** requires tractors be provided with a standard compression ignition diesel type, liquid cooled engine designed for operation on commercial diesel fuel and B20 or greater bio-diesel. The bio-diesel is derived from vegetable or plant matter.
- **E-85 Flex Fuel, 405R - New term contract** replaces previous agency specific contract to allow statewide distribution of E85. E-85 blended fuel contains 15% unleaded gasoline and 85% ethanol derived from corn production. This alternative fuel is provided in transport quantities of 6000 gallons or more. Of the approximately 224,942 gallons purchased, 191,200 gallons were produced from ethanol instead of crude oil.
- **2008 Model Year Trucks, Vans, Utility Vehicles, Crossovers-Conventional Fuels and AFVs, TC # 070G** – All diesel fueled trucks and vehicles are required to additionally operate using B20 bio-diesel fuel. Gasoline fueled vehicles were also bid with flex fuel as an alternative category. Awarded flex fuel vehicles comply with the intent of Senate Bill 2051. Vehicles noted as Flex Fuel or E85 can use both pure gasoline and E85 fuel. A hybrid “carry all” SUV was a new type awarded for the new contract. Lightweight crossovers (4 and 6 cylinder) and manual transmission compact pickups were also awarded to potentially achieve greater fuel efficiency.
- **Disinfectants, Janitorial Cleaners, Environmental Cleaners, and Odor Counteractants, 435A** – The additions of three common use janitorial products which are certified to the GS-37 (Green Seal), Certified Environmental Standard were awarded to products that have limited toxicity. Premoistened towelettes are available to provide an alternative for chemicals from being aerosoled or dispensed in the indoor air. Disinfectants included contain various active ingredients and end use concentrations to allow proper selection for limiting contact and exposure to amounts required to be efficacious for specific pathogens targeted. All disinfectants are EPA registered for efficacy of pathogens identified by the NC Statewide Program for Infection Control and Epidemiology within health care related facilities. Chemical dilution control equipment for designated products is supported to improve sanitation quality, deliver accurate recommended product dilution and control costs. Contractors are required to provide the product use training and MSDS sheets.
- **All Trucks and Off-Road Equipment purchased for the Department of Transportation, Individual Agency Specific Contracts** – All equipment offered is required to employ engines meeting the current North Carolina and Federal EPA and regulations indicated by the EPA Clean Air Act for reduced emissions at the time of delivery.

STATEWIDE TERM CONTRACTS

As existing term contracts are re-bid and new term contracts are developed, the Division of Purchase and Contract continues to improve the contracts by offering a wide range of sustainable or environmentally friendly products. Examples of the improved sustainable features of these term contracts are listed below.

- **Air Conditioners, Room, 031A** - Items available through this contract were awarded based on the lowest energy efficiency cost, meeting specifications. The majority of the items awarded are Energy Star Compliant, containing recycled materials and packaging.

- ❑ **Domestic Appliances, 045A** - All refrigerators, washers and dishwashers are “Energy Star” qualified. This is a fairly stringent measurement of energy efficiency, which is monitored by the Department of Energy. The payoff is a more efficient appliance, which use less energy over the lifetime of the product.
- ❑ **Automotive, Industrial Parts and Supplies, 060A** - Some products have recycled materials with 10%-20% post consumer content.
- ❑ **Batteries, Storage, 060B** - Battery casings are made from recycled material (96%). Batteries are exchanged as a core and picked up by the vendor. In addition the contractor will pick up and properly dispose of junk batteries on quantities less than 20. Core (junk) batteries are considered to be an environmental hazard and are otherwise expensive to properly remove.
- ❑ **Tire, Automotive, Recapping and Repairing, 060E** - The retread tire provided should be a premium retread that will provide optimum tire mileage/service and safety. Recycling of tires through retreading and repairing reduces the new purchases and disposal of tire casings.
- ❑ **Passenger Cars, 070A; Law Enforcement Vehicles, 070B** - Passenger car awards included an alternate fuel vehicle (AFV) and two models of gasoline /electric hybrid vehicles. Limited availability restricted award of the AFVs for the passenger cars, especially the Law Enforcement and Trucks/Vans/Utility Vehicles. According to the Steel Recycling Institute, 67.7% of a vehicle is steel or iron. Of that steel or iron, 26.6% is post consumer material. Therefore, 18% of a vehicle is made from post consumer recycled material.
- ❑ **Neighborhood Electric Vehicles, 070N** - Neighborhood Electric Vehicles (NEV) are battery operated vehicles that are "street legal" for use on roads with a posted speed limit of 35 MPH or less. There are 6 different NEV models available from this contract from two suppliers offering GEM and E-Ride vehicles. The contract vehicles are offered with a price range of \$10,887 to \$18,713 and include an extended warranty. Because these vehicles do not consume hydrocarbon fuel they produce zero direct emissions. It is estimated that NEVs cost 3 to 5 cents per mile to operate. These vehicles are considered good additions to agency fleets to help meet petroleum reduction goals
- ❑ **Remanufactured Toner Cartridges, 207A** - Currently common use Hewlett Packard and Lexmark cartridges are remanufactured to equivalency with the original OEM performance. Fewer cartridges are added to the waste stream. Product specifications are being transitioned from mandated construction requirements to product and vendor performance requirements. This is expected to allow a wider variety of brands and models to be covered as requested by the contract users.
- ❑ **Coolers, Water, Electric, 225A** - Packaging, refrigerant and metal components are recyclable.
- ❑ **Ballasts, 285B** - Electronic ballasts are more energy efficient, support variable illumination on demand and reduce electro magnetic radiation. A link is provided to Federal Energy Management Program (FEMP) that illustrates a return on investment for retrofitting with more energy efficient lamps and ballasts. Ballasts contain no PCB's and can be disposed of in the trash. Reduced product shape and size also minimizes packaging and metal enclosure requirements.
- ❑ **Carpet, 360A** - Recycled content required is either (1) minimum 5% postconsumer content except that vinyl-backed and other similar hardbacked products contain 20% by weight of postconsumer recycled content, (2) minimum 15% by weight of recovered materials (both preconsumer and postconsumer), or (3) minimum of 25% by weight of recyclable content.
- ❑ **Paper, Computer and Labels, 395B** - Computer paper contains 50% recycled with 30% post consumer content.

- ❑ **Oils, Lubricants, Greases, and Antifreeze, 405H** – The following synthetic, bio-degradable, and recycled lubricants were supplied under this contract: Synthetic Gear Lubricant (20,120 Pounds), Bio-Degradable Hydraulic Oil (1810 Gallons), Synthetic and Re-Refined Motor Oils (4519 Gallons), Synthetic Transmission Oil (30 Gallons), Synthetic Automatic Transmission Fluid (4710 Gallons), Recycled Antifreeze, Bio-Degradable Bar & Chain Oil, and Bio-Degradable Two-Cycle Motor Oil. Synthetic oils and transmission fluids have increased service life to reduce consumption and decrease maintenance cycles. The State Surplus Property disposes of waste oil and antifreeze under contract.
- ❑ **Bio-Diesel Fuel, 405L** - B20 blended fuel contains 80% diesel fuel and 20% virgin soy or reprocessed vegetable oil. Of 172,843 gallons purchased, 34,569 gallons consist of mono-alkyl esters of long chain fatty acids. Also, there is about 44,732,100 gallons of bio-diesel in blanket PO's with NCDOT which includes approximately 8,946,420 gallons of mono-alkyl esters. This results in a reduction of crude oil consumption.
- ❑ **Gasohol, 405M** - E-10 blended fuel contains 90% unleaded gasoline and 10% ethanol. Approximately 7,406,081 gallons were purchased with 740,608 gallons from ethanol.
- ❑ **Pipeline Natural Gas, 405N** - Natural Gas is a clean burning fuel. Over \$6,000,000.00 worth was purchased last year.
- ❑ **Ultra-lo Sulfur Diesel Transport, 405P** - This new term contract has replaced the 405B lo sulfur diesel. 405P offers 15 ppm of sulfur content compared to 500 ppm sulfur content on the previous lo sulfur diesel contract. Transport loads are over 6,000 gallons per delivery, and are typically used heavily by DPI and DOT. Approximately 39,122,671 gallons were purchased. This will help to provide compliance with clean air mandates.
- ❑ **Ultra-lo Sulfur Diesel Tankwagon, 405Q** - Identical to the 405P contract except in form of delivery, this offers 15 ppm sulfur content compared to 500 ppm sulfur content on the previous contract. Tankwagon loads are less than 6,000 gallons down to a minimum of 500 gallons. Approximately 891,754 gallons were purchased. This will help to provide compliance with clean air mandates.
- ❑ **Furniture, Metal, Folding Chairs, Tables, Storage Units, Wood Library Furniture, 420 - Furniture, Desks (Wood), Credenzas, Conference Tables, Etc. & Bookcases, Furniture, 425B & C** - Contractors support sustainability through different practices. Mechanical parts can be recycled or replaced, thereby extending service of item. Packaging is recyclable. Products may be ground up into particleboard. Packaging may contain up to 40% post consumer waste and is reusable. Wood, plastic and metal contain recycled post consumer content and are recyclable.
- ❑ **Bedding Mattress Term Contract, 420E** - Mattresses comprised of innersprings (similar to the type used primarily in the residential and hospitality bedding industries) now require successful evaluation to the 16 CFR Part 1633, the Consumer Product Safety Commission's new mattress flammability testing standard, "Standard for the Flammability (Open Flame) of Mattress Sets". Successful evaluation of products offered continue to require the 16 CFR Part 1632, Standard for the Flammability of Mattresses and Mattress Pads (directed toward cigarette ignition of mattresses). The revised specifications promote increased safety and durability to extend product life.
- ❑ **Furniture, Chairs, Ergonomic, 425E** – Fabric and chair cushions may contain up to 100% post consumer recycled content. Packaging contains post consumer waste, is reusable and recyclable after use.
- ❑ **Lateral and Vertical Filing Cabinets, 425F & 425G** - Cabinets contain from 10% to 30% recycled content. Corrugated boxes have a minimum of 50% post consumer waste and are recyclable. Contractor will purchase back files at end of their use.

- ❑ **Storage, Combination Storage/Wardrobe and Wardrobe Cabinets, 425H** - Cabinets have a minimum of 10% recycled metals. Packaging contains post consumer waste, is reusable and recyclable after use.
- ❑ **Industrial, Medical and Specialty Gases, 430A** - Are delivered statewide in reusable cylinders and are exchanged when replacement cylinders are needed.
- ❑ **Maintenance, Repair & Operation Supplies, 445B** – Items which were offered under the following contracts are now covered under this contract: Lamps, Large & Specialty (285A), Material Handling Carts/Trucks (560A), Low-Flow Plumbing Fixtures (670A), and Safety Equipment, Eye/Face Protectors (345A). Lamps may contain up to 65% recycled content including glass and mercury delivered in packaging that may contain 73% recycled content. Some of the lamps are low mercury (TCLP compliant), non-hazardous. Low-flow plumbing fixtures are offered to reduce consumption.
- ❑ **External Defibrillators, 465B** - Defibrillators can be refurbished and packaging materials can be recycled.
- ❑ **Incontinent Care Products, Disposable, 475C** - Disposable washcloths (wipes) contain a minimum 50% of fully biodegradable paper (cellulose fibers).
- ❑ **Indoor And Outdoor Waste Receptacles, Food Prep Containers, Pails, and Related Items, 485F** - Most plastic products contain 15% post consumer recycled content. Packaging contains 10% post consumer recycled content. Some containers are sold to customers to assist with sustainability management. For example, the aluminum can recycle bins support recycling procedures recommended to users. Metal parts contain recycled content.
- ❑ **Brooms, Mops, Brushes, and Other Cleaning Implements, 485G** - Products may contain up to 60% post consumer recycled content. Packaging may contain up to 40% post consumer recycled waste. All cotton mops are made of cotton waste. Shipping boxes are recyclable. Broom handles can be used as wooden dowels for multiple purposes, such as garden stakes, hanging banners in classroom, etc. Forty-five percent of broom material is biodegradable.
- ❑ **LED Vehicle Traffic Signal Modules, 550A** - Traffic signals employing the high efficiency light emitting diode (LED) technology consume 90% less energy than conventional signals, while providing greater reliability, longer life, and low-maintenance performance. Signals are certified for ENERGY STAR for reduced energy consumption.
- ❑ **Musical Instruments and Accessories, 580B** - New designs use recyclable plastics. Band instruments may be traded in to be reconditioned and re-sold. Donations of trade-in instruments to the Links Program for the needy promote music education. Plastic and brass parts may be recycled for future part replacement. Cardboard and pallets are recyclable.
- ❑ **Calculators, 600A** - Packaging material may be recycled.
- ❑ **Dictation/Transcription Equipment, 600C** - New digital recorders employ internal electronic storage media for constant reuse without cassette tapes. Voice recordings may be easily downloaded for dictation transcription, copied to disc (CD or DVD) and transmitted to distant or remote locations. Only proofed or edited recordings are archived to (CD or DVD). Archived recordings enhance offline lectures and training events. Electronic storage media has a long lifetime before replacement. Contract also offers voice to text digital transcription software that serves the traditional state users or nonprofits for the physically impaired.
- ❑ **Office Supplies, 615A** - Contractors are required to the extent feasible and practical, to offer recycled products, including packaging, especially those having post-consumer waste content. Wherever possible and practical, such products should be identified as such.

- ❑ **Napkins, Bathroom Tissue, and Paper Towels, 640A** – Napkins are biodegradable, with either 95% recycled with 5% post consumer elemental chlorine-free or 100% recycled and chlorine-free. Bathroom Tissue is biodegradable, 100% recycled with 20% post consumer and chlorine-free. Paper Towels are biodegradable, 95% recycled with 40% post consumer content and elemental chlorine-free.
- ❑ **Office Paper, 645A** - Various products contain both 100% and 50% post consumer and chlorine free copy paper. Other recycled and virgin paper products including envelopes are supported.
- ❑ **Cameras, Digital & Film, 655A** - The metal camera bodies, plastic parts and packaging materials can be recycled. Contract also includes the digital cameras and electronic storage media that promote reduction, reuse, and recycling and reduced environmental impact. Soft copy images can be easily transmitted to distant locations. Chemicals used in manufacturing and processing of the film are eliminated. Typically only proofed images are printed. Electronic storage media has a long lifetime before replacement. Even when the images are printed, the user can decide if high cost paper and toner are required. Disposal of the images on paper has less environmental impact than the toxic metals contained in film.
- ❑ **Bags, Plastic, Trash, 655B** - Liners contain a minimum of 10% post-consumer or 10% pre-consumer reprocessed copolymer. All the liners awarded were thoroughly evaluated for strength and performance.
- ❑ **Laminators & Laminating Film, 665A** - Some of the film contains 5% post consumer content. Packaging contains 25%-80% post consumer content.
- ❑ **Ammunition, 680A** - Brass shell casings can be saved and recycled and others can be reloaded.
- ❑ **Wiping Cloths, 735A** - All items are second-hand textiles. Vendors resell waste instead of sending to landfills. All recycled textile rags can be sold to make paper products. All rags can be re-laundered.
- ❑ **Ice Machines and Dispensers, 740A** - Products are evaluated based upon initial bid, cost of energy and cost of water to provide the required ice harvest rate per day. Packaging, refrigerant and metal components may contain recycled content and are recyclable.
- ❑ **Vending Machines And Money Changers, 740B** - Packaging, refrigerant and metal components may contain recycled content and are recyclable.
- ❑ **Excavators-20 Metric Ton-143HP, 760C** – The engine must meet the current North Carolina and Federal EPA and regulations indicated by the EPA Clean Air Act for reduced emissions.
- ❑ **Markerboards, Tackboards and Accessories, 785A** - Metal and wood components contain recycled materials.
- ❑ **Paper, Drawing and Construction, Newsprint, 785B** - Various products as indicated typically contain 25% to 100% recycled paper fiber.
- ❑ **Television/Video Equipment, 840A** - Most video products are certified “Energy Star” to denote efficient energy use.
- ❑ **Tires – Pursuit, Passenger, Radial Light Duty Trucks, Commercial Radial Light Trucks, Commercial Medium Radial Truck, Off-road Radial and Commercial Medium Radial Truck-Low Platform Trailer Tires, 863A** - Tires depending on manufacturer may contain from 1.55% to 2.5% of recycled materials based on the product attributes, speed rating and performance criteria.
- ❑ **Teaching Equipment, Electricity/Electronics Courses, 924A** - Office paper, cardboard and metal enclosures have recycled content. Documentation provided in soft copy instead of hard copy printed materials.

- ❑ **Electronic Equipment Recycling Services, 926A** - Assists agencies and local governments with CRT disposal and in diverting surplus or discarded electronic products from landfill disposal.

Items Aiding Waste Reduction Purchased By State Agencies Through Term Contracts and Open Market Purchases

The following items purchased by State agencies meet the criteria for aiding waste reduction by being reusable, refillable, repairable, more durable, and/or less toxic than their traditional counterparts:

Reusable

Digital Cameras (reduces need for film and chemicals)
Refrigerant Recovery System (filters reusable refrigerant)
Musical Instruments
Rechargeable Dry Cell Batteries
Recycled Carpet
Recycled Paper
Recycled Content Furniture (not traditional wood)
Printers
Solvent Degreaser (reuses solvent)
Tire Recapping & Repairing Service
Uniforms, Vacuum Bags, Wiping Cloths

More Durable

Above-Ground Vaulted Fuel Storage Tanks
Classroom Furniture, Electronic Lamps & Ballasts
Vacuum Cleaners, Floor Polish, Grader Blades
Grader Slope Attachment, Kindergarten Furniture
Paint Brushes, Plastic Lumber, Mattresses
Plastic Tableware, Staplers
Vertical File Cabinets, Wood Case goods
Wood library furniture

Energy Star – Reduced Energy Consumption

Audio Visual System,
Changeable Message Signs – Solar Powered
Domestic Appliances
Lighting Fixtures,
Room Air Conditioners,
Sonography Equipment
Television & Video Equipment, Lamps
Traffic Signals – LED,
Ultrasound Scanner
Ultrasound Training Simulator Equipment
Warning Lights - Vehicles Safety
Water Coolers

Flow Plumbing Fixtures for Reduced Water

Consumption – 0.5 GPM lavatory facet nozzles and 1.5 GPM showerheads support the Governor's water conservation initiative during severe water restrictions throughout the state.

Used - Automobiles and trucks

Refillable

Ammunition - Cartridge Refills
Batteries - Vehicle & Storage
Drums – Steel, Fire Extinguishers
Cylinders for Welding, Medical & Specialty Gases
Fuel Tanks,
Self-Contained Breathing Apparatus

Repairable

Defibrillators, Musical Instruments
Tire Recapping & Repairing Service

Refurbished/Rebuilt

Aircraft Engines, Ferry Engine Repair Parts
Medical Diagnostic Equipment & Instrumentation
Remanufactured Toner Cartridges for Laser
Scientific Equipment, Sewing Machines

Less Toxic

Alternative Fuel Vehicles, Correction Fluid
Dry Cell Batteries, Electronic Lamps & Ballasts,
Fertilizers/Farm Chemicals, Inks for printing (using non-petroleum based inks) Instructional Art
Materials, Markerboard Markers, Mattresses,
Scientific Products (eliminating Freon),
Refrigeration and A/C Equipment

Longer Lasting

Floor Maintenance Machine Batteries, Library
Furniture, Aluminum Nuts and Bolts – non-rusting
alloys, Fluorescent electronic ballasts permit longer
lamp life

Recyclable

Commodity Packaging, Commodity Metal
enclosures & parts, Plastics, Steel & Reinforced
Concrete Pipe, Chain Link Fencing, Electrical Wire,
Treated Lumber, Motor Oil – refined, HVAC &
Refrigeration Equipment - Refrigerants

Washable - HVAC Filters Wiping Cloths