

## 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 2008 to 2009 fiscal year indicate the sustainable features or criteria of those products. Table 1 lists the purchase awards by the type of bid for those commodities.

**Table 1**

<b>Commodity Purchase Awards by Bid Type</b>	<b>Number Requisitions Awarded by Bid Type</b>	<b>Amount Awards by Bid Type</b>	<b>Percentage Awards by Bid Type</b>
Agency RFP	179	\$139,955,746.18	13.89%
Contractual Services	23	\$58,273,539.03	1.78%
Convenience Contracts	223	\$339,951,816.48	17.30%
Open Market	495	\$77,953,911.73	38.40%
Quotes	121	\$11,983,719.37	9.39%
Term Contracts	49	\$217,248,878.78	3.80%
Waivers	199	\$35,577,464.66	15.44%
<b>Total</b>	<b>1289</b>	<b>\$880,945,076.23</b>	<b>100.00%</b>

### **NC E-Procurement @ Your Service**

NC E-Procurement @ Your Service, now in its eighth year of operation, continues to support the goal of "One North Carolina". As of October 31<sup>st</sup>, 2009, the enterprise-wide system has over 65,000 registered vendors, and over 15,000 users representing 234 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 with over 17,000 catalog items 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 most 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 23,054 registered vendors as of June 30, 2009. The system continues to grow with the addition of users increasing to 224 agencies, schools and institutions with 618 purchasers using the database as of June 30, 2009. This is an increased user base of 5.8% for the entities and users serviced, who posted 4782 solicitations.

## **EXAMPLE OPEN MARKET AWARDS**

- **Reduced Flow Plumbing Fixtures** – 124 toilet systems with reduced flow rates of 1.28 gallon per flush and 55 ultra low consumption urinal systems requiring only 1/8 gallon per flush were purchased for Guilford Technical Community College to conserve potable water.
- **CNC Control Simulator** – Educational equipment to teach computer numerical control (CNC) equipment programming and operations was purchased for Haywood Community College. Control unit allows programming and execution of individual tool path movements and operations for training. Unit also includes simulated dry run graphics to reduce errors in programming and reduce materials consumed while teaching manufacturing tooling technology.
- **Used Electric Utility Cargo Van** - 3 fully enclosed integral weather proof cargo vans capable of a maximum speed 25 MPH with a 4-speed manual transmission were purchased for Fayetteville Technical Community College. Electrical powered vehicles may reduce reliance on hydrocarbon fuels and produce zero direct emissions. Used vehicles offered additional cost savings.
- **2008 and 2009 Pre-Owned Vehicles** - 20 total used cars and pickups with extended power train warranties were purchased for the Department of Crime Control and Public Safety. Used vehicles replace higher millage vehicles in excess of 100, 000 miles in the fleet. Vehicles may be used in situations to conduct surveillance and undercover operations.
- **Reconditioned Laboratory Equipment** - 1 reconditioned 20" x 20" x 38" vertical sliding door steam sterilizer was purchased for Guilford Technical Community College. Reconditioned equipment offered cost savings and reuse compared to the purchase of new equipment.
- **Concrete Masonry Block** – 59,000 units of lightweight structural block compliant to the ASTM C90 specification and is certified as a LEEDS Approved Green Product were purchased for the Scotland Correctional Institution. Block contains 50% recycled content consisting of bottom ash from coal fire combustion plants as a recycled aggregate replacement. The Leadership in Energy and Environmental Design (LEED®) Green Building Rating System™ is the nationally accepted benchmark for the design, construction, and operation of high performance green buildings.
- **Composition Tile** – Linoleum type composition tile was purchased for Craven Community College. Tile made from renewable materials contains 45% pre-consumer (post industrial) recycled content and is provided with a prefinished surface that allows reduced chemical based finish applications and removals inside the building environment.

## **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.

- **Golf Cars, 070P – New term contract** for golf cars. Fully electric models available for all categories. Models made with components of 85-90% recycled steel, plastic and aluminum.

- **Traffic Cones and Drums, 550F – New term contract** includes products with 40% reclaimed materials.
- **Aerial Device, Truck Mounted, 765A – New term contract** requires trucks be provided with a standard compression ignition diesel type, designed for operation on commercial diesel fuel and B20 or greater bio-diesel. The diesel engine provided is also compliant with the current EPA Tier requirements for emissions control. The bio-diesel fuel may be derived from plant matter.
- **2009 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 model 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.
- **B-20 Tankwagon, 405V – New term contract** of B20 blended fuel contains 80% diesel fuel and 20% virgin soy or reprocessed vegetable oil. Tankwagon loads are less than 6,000 gallons down to a minimum of 500 gallons. This means that of 4,542 gallons of the blended B20 fuel purchased, 908 gallons were derived from plant mater which reduces crude oil consumption.
- **E-10 Tankwagon, 405S - New term contract** of E-10 blended fuel contains 90% unleaded gasoline and 10% ethanol. Tankwagon loads are less than 6,000 gallons down to a minimum of 500 gallons. This means that of approximately 183,735 gallons of the blended E10 fuel purchased, 18,373 gallons were derived from ethanol which reduces crude oil consumption.
- **Skid Steer Loaders, 760A – New term contract includes** models with 24% recycled content.
- **Recycling Services for Fluorescent Lamps, Ballasts & Other Mercury Containing Devices, TC# 926B – New term contract** assists agencies and local governments with contracted disposal of discarded electronic products that are diverted from landfill disposal.
- **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 sustainable features of these term contracts are listed below.

- **Agricultural Tractors, 020A** - Tractors are 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 may be derived from plant matter.
- **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.
- **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** – Retread tires extend the life of the original product. The purchase of retreads saves resources used in the production of new tires. The use of retread tires reduces tire disposal. Retread tires cost 30% to 50% less than new tires.

- **Passenger Cars, 070A; Law Enforcement Vehicles, 070B** - Passenger car awards included several alternate fuel vehicles (AFV) and two models of gasoline /electric hybrid vehicles. One four cylinder model, four door subcompact was also awarded with a bi-fuel capability consisting of compressed natural gas (CNG) and gasoline. Limited availability restricted award of all the AFVs requested for the passenger cars, especially the law enforcement 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.
- **Conventional School and Activity Buses, 070C; Conventional Activity Buses, 070D** – Vehicles typically contain approximately 20% post consumer recycled material by weight and 80% of the vehicle by weight is recovered for reuse. Used school buses are usually sold or are used for spare parts.
- **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.
- **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 Motor Oil (1,948 Gallons), Synthetic/Biodegradable Hydraulic Oil (1,810 Gallons), Synthetic Gear Oil (20,120 Pounds), and Recycled Antifreeze 50/50 (9,948 Gallons.) Additional synthetic type oils and transmission fluids have been added to the contract to allow increased service life to reduce consumption and decrease maintenance cycles. The State Surplus Property disposes of waste oil and antifreeze under contract.
- **B-20 Transport, 405L** - B20 blended fuel contains 80% diesel fuel and 20% virgin soy or reprocessed vegetable oil. This means that of the 11,321,000 gallons of B20 blended fuel purchased, 2,264,389 gallons were produced from plant mater. This results in a reduction of crude oil consumption.
- **E-10 Transport, 405M** - E-10 blended fuel contains 90% unleaded gasoline and 10% ethanol. This means that of the 1,064,800 gallons of E10 blended fuel purchased, 106,481 gallons were derived from ethanol. This results in a reduction of crude oil consumption.

- **Pipeline Natural Gas, 405N** - More than \$7.9 million dollars worth was purchased last year of this clean burning fuel.
- **Ultra-Low Sulfur Diesel Transport, 405P** - 405P offers 15 ppm of sulfur content compared to 500 ppm sulfur content on the previous low sulfur diesel contract. Transport loads are over 6,000 gallons per delivery, and are typically used heavily by DPI and DOT. Approximately 26,185,990 gallons were purchased. This will help to provide compliance with clean air mandates.
- **Ultra-Low #2 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 521,823 gallons were purchased. This will help to provide compliance with clean air mandates.
- **E-85 Flex Fuel, 405R** - 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. This means that of the approximately 267,600 gallons purchased, 227,460 gallons were produced from ethanol instead of crude oil.
- **Ultra-Low Sulfur Diesel #2 Emergency Transport, 405T - New term contract** offers 15 ppm of sulfur content compared to 500 ppm sulfur. This contract is used in emergency cases when there is a pipeline interruption.
- **B-20 Tankwagon, 405V** – B20 blended fuel contains 80% diesel fuel and 20% virgin soy or reprocessed vegetable oil. Tankwagon loads are less than 6,000 gallons down to a minimum of 500 gallons. This means that of 4,542 gallons purchased, 908 gallons are derived from plant matter. This results in a reduction of crude oil consumption.
- **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.

- **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.
- **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, 665B** - 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.
- **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 and Tubes, 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, 926B** - Assists agencies and local governments with contracted disposal of CRTs. Contract diverts 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