

**Response to Resolution No. 04-166**  
**ENCOURAGING THE NEW CASTLE COUNTY OFFICE OF PROCUREMENT**  
**TO PURCHASE ENVIRONMENTALLY PREFERABLE PRODUCTS**  
**(Office of Administrative Services)**

**Steps Taken to Serve as a Community Model for Environmental Leadership**

- **Energy Committee** formed to lead NCC efforts – Nello Paoli, Michael Coupe, Barry Wilson, Bill Suiter, Nicole Racine, Bill Miller, Denny Hardman, Joe Day, Regis Yurcich, Karl Kalbacher, Joe Szczechowski, Karla Jones, Yvonne Gordon
- **Paper, cans, and bottles recycling program** (since 2/05):
  - Paper – 212.5 tons
  - Aluminum cans – 76,000
  - Plastic bottles – 76,000
  - Glass bottles – 17,000 (discontinued – handling hazard)
- **Toner cartridge recycling programs**
  - Exchange used cartridges for refilled recycled cartridges in Kent/Sussex Industries partnership since 2/05
  - Cartridge World pays county for each cartridge it recycles – 231 cartridges and \$308.10 since start in 3/07
- **“Sleeping” copiers** reduce energy consumption and CO<sub>2</sub> emissions. All floor model copiers leased by the county are Energy Star rated and programmed to “sleep” when not in use.
- **Two-sided printing** - All copiers with two-sided capability are set to default print as 2-sided. The county is now beginning to experience a reduction in paper use. Cartons of 8 ½ x 11 – 20 lb white paper (most commonly used) ordered in calendar '05 = 2,213; in '06 = 2,279; in '07 ~ 1,904
- **Office paper** - 20 lb color paper has a 30% post consumer fiber content
- **Print Shop** uses “blank” waste paper (by-product of print jobs) to make memo/note/scratch pads used by departments
- **PC “sleep” monitor** function in force on county owned systems thereby reducing energy consumption when not in use. Industry data indicates savings to be between \$10k and \$20k annually, and prevents the release of 300,000 pounds of CO<sub>2</sub> emissions.
- **Janitorial Paper Products** – 40% of items are made with recycled materials
- **Custodial Chemicals and Cleaning Products** – biodegradable cleaners – “green cleaning” starting in 9/07 in all NCC buildings. More than \$10k annual cost savings are projected. Also, using fewer products means using less storage space

- **Light bulbs & tubes** – Comparable compact fluorescent lamps will be used across the county
- **4 Hybrid vehicles** purchased by the county are in use and will be evaluated to determine additional purchases
- **Play Equipment** purchased in last two years is made from recycled plastic, aluminum, steel, and rubber
  - 100% recycled tires used for cushion play surfacing
  - 100% recycled plastics used for timbers and planks
  - 100% recycled aluminum and steel used for decks, climbers, posts, and steering wheels
- **“Annual Go Green Award”** - County Executive’s award honors a NCC employee who demonstrates a strong commitment to energy savings initiatives across county government – 2007 Awardee – Michael Coupe.
  - \$175k recouped in identified improper electricity tax charged to County
  - \$50k saved by recalculated electric supplier contract start date
  - Negotiated effective interest rate for 8/06 bond sale – 3.79% vs 4.216%
  - Strong advocate for solar energy and other energy saving opportunities
- **EPA’s Energy Star Program, NACo Courthouse Campaign and the International Council of Local Environmental Initiatives (ICLEI)** – are active web-linked energy partners with the county. The county’s **“Go Green” website link** promotes employee and citizen awareness with recommended behavior modification strategies that create savings opportunities (Summer 2007 attached)
- **Energy Performance Contracting Services – Ameresco, Inc (ESCO)** – New Castle County awarded Bid #06S-002 to Ameresco, Inc. to provide for the discovery, engineering, procurement, installment, financing, maintenance, and monitoring of energy, water, and operational savings at New Castle County facilities.
- **Facilities – Energy Related Initiatives**
  - Old Public Safety Building demolition (Landfill Diversion Rate – 88.48% - recycled 1,691 tons)
  - New LEEDS Certified Public Safety Building
  - Ameresco – Phase II – Currently auditing the following facilities to identify energy efficiency opportunities and operating costs savings: Government Center; Brandywine, Bear, Hockessin, and Woodlawn libraries; Churchman’s Road Complex; Policy Academy; Gilliam Building; Public Safety; Rockwood; MOT WWTP; DCWWTP; Port Penn TP; Army Creek TP; Carousel Park; and Delcastle ball fields
  - County HUD Rehab Programs – Use energy saving windows, doors, lighting, paints, carpeting, and other like materials

- Hockessin and Kirkwood Libraries – Recycle demolition and construction debris; energy efficient and automated controlled and monitored HVAC equipment; light harvesting/dimming and occupancy sensor controlled systems; low VOC – volatile organic compounds – carpet, tile, and paints; low E glass for exterior windows that deflects the heat out in the summer and deflects the heat into the interior space in the winter
- **Louis L. Redding City/County Building**, through Ameresco, will experience:
  - Reduced energy/water demand and operating costs with increased employee/citizen comfort and energy efficiency
  - Emissions reductions of 5,626,721 pounds of CO<sub>2</sub>, or 2,813 tons, which is equivalent to planting 8,440 trees, or removing 553 mid-sized automobiles from the road, per year.
  - An increased - recognizable Energy Star energy efficiency rating close to 77, moving from a low Energy Star current rating of 22