

AREA	ACTION	ACCOMPLISHMENTS, DESCRIPTION, NOTES	STATUS	IMPLEMENTATION TIMEFRAME
<b>Government Policy</b>				
	• Comprehensive Plan	Promotes and encourages a high standard of environmental protection and maintenance. Policies encourage conservation easements and development that minimizes negative environmental impacts.	update in progress (last revised 2004)	Will be submitted for adoption in spring/summer 2010
<b>Energy Efficiency</b>				
	• energy audit	Investigating resources to conduct an energy audit to maximize building energy usage.	in progress	September 2009
	• lighting, indoor	Offices: switch to low mercury-content fluorescent bulbs.	implemented (several yrs)	
	• lighting, outdoor	The zoning ordinance requires full-cut off fixtures for all new lighting in residential, commercial and industrial development.	adopted 2002	
		All new athletic field lighting systems are energy-efficient with shields to prevent glare and spill (dark-sky compliant).	implemented	
	• computer use	County staff instructed to shut down CPUs and monitors daily, with weekly logoff to accommodate MIS software or network updates. MIS department uses standard best practices to minimize energy use in its operations.	in progress  on-going	
<b>Green Buildings</b>				
	• new construction	New County facilities (e.g. Public Safety Building, Sports Complex, Eagle Rock Library, Citizen Convenience Center Scale house) incorporate LEED-inspired best practices for cost-effective and environmentally sustainable construction (e.g. HVAC, insulation, lighting).	on-going	
	• renovations	Modification of the ventilation system in the Circuit Courthouse building to remove excess heat from the attic area to reduce cooling costs.	implemented	
<b>Waste Management</b>				
	• cleaning products	Purchase of environmentally friendly chemicals and limiting # of chemicals in stock to reduce hazards.	implemented	
	• eWaste recycling	Collected discarded computer equipment at the Landfill for years and also participated in regional collection drives for recycling at Hollins University. With opening of convenience center, accept electronic waste for recycling any time during operating hours.	implemented	
	• pesticide disposal	The local Virginia Cooperative Extension (VCE) office conducted a pesticide disposal event at Greenfield.	implemented (fall '08)	
	• recycling in County offices	Collection and recycling of: paper, aluminum, plastic; dry-cell batteries, toner cartridges (in last 18 mos saw 80-90% reduction of the waste stream).	implemented	

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		On-site shredding and recycling of paper averaged 4,700 pounds over last three years.	implemented	
	• recycling in County schools	Collection and recycling of: paper (4 ½ - 5 tons/mo diverted from waste stream).	implemented (fall '08)	
	• recycling in the community	11 unattended recycling centers with signage and fencing for collection of: paper, aluminum, plastic.	implemented (8 since '92)	
		Addition of unattended recycling center at Greenfield Elementary with signage and fencing for collection of: paper, aluminum, plastic.	<i>planned</i>	operational by Sept. 1, 2009
		Citizen Convenience Center constructed at former Landfill for collection/disposal of: paper, aluminum, plastic, oil, wet-cell batteries, scrap metal, tires, eWaste, brush, prior to transport to Salem Transfer Station.	implemented	
		Local business donated recycling collection bins for use at the Sports Complex and high school games. Plastic recycling bins are to be located in all County parks.	<i>planned</i>	Spring 2010
<b>Vehicles</b>				
	• Anti-idling policy	Drafting recommendations for county vehicles to reduce emissions and costs.	<i>planned</i>	Fall 2009
	• County fleet	2 hybrid vehicles were purchased (one in 2006, one in 2008).		
<b>Land Use / Transportation</b>				
	• Conservation Easements	The County promotes and encourages landowners to place land in conservation easements through staff presentations, brochures, and partnerships with local non-profits. Since 2005, 24 new conservation and riparian easements have been created, totaling more than 9,680 acres.	on-going	
	• Historical Architectural Survey	This study was conducted to identify historic structures and properties to promote awareness and encourage land owners to protect and preserve the properties.	2008	Staff to submit implementation recommendations: Dec. 2009
	• Industrial park covenants	The Botetourt Center at Greenfield covenant includes Landscaping Standards that protect vegetation and the ecology within its area.	implemented	
	• Zoning Ordinance	Includes options for cluster development to allow for preservation areas and open space.	adopted 2002	
<b>Water / Air Quality</b>				
	• Early Action Compact	Botetourt is a signatory to the Early Action Compact for the Roanoke MSA concerning national ozone standards.	on-going	

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	• Regional Council Activities	Botetourt promotes citizen water quality initiatives through membership in the Upper Roanoke River Roundtable and the Upper James Resource Conservation & Development Council (e.g. local stream monitoring and restoration activities).	on-going	
	• Soil testing	Soil analysis testing is done annually on athletic fields so that fertilizer applications can be tailored to specific needs, saving money and avoiding unnecessary nutrient run-off from generic fertilizer use.	on-going	
	• Tree planting	The zoning ordinance mandates that commercial and industrial areas plant vegetative buffers and requires a minimum of 10% canopy coverage.	adopted 2002	
		The County park maintenance program includes a goal of planting 6-12 new trees in county parks each year and includes planting replacement trees for those removed or damaged during the year. With donations, over 30 trees were planted in 2008.	on-going	
<b>Education / Community Participation</b>				
	• brochures	“Household Recycling Guide” explains where and what to recycle in Botetourt County. “Botetourt County Environmental Stewardship and You” promotes good management practices for agriculture, forestry, construction and residential areas. “Protecting and Preserving Your Land Through Conservation Easements” was produced to promote awareness and adoption of conservation easements.	implemented	
	• Botetourt Green Businesses	Partner with the Botetourt County Chamber of Commerce to recognize businesses who adopt environment-friendly business practices.	<i>planned</i>	Fall/winter 2009
	• Clean Valley Council (CVC)	Botetourt County contributes funding to the Clean Valley Council (CVC) to promote recycling and litter prevention (see Schools).	implemented	
	• educational outreach	Educational outreach is mandated by phase II of the NPDES Stormwater permit and is done via brochures, staff serving as school resource (see Schools, below), and links and downloadable information provided on the County website.	implemented	
		Staff from several county departments deliver presentations to civic organizations and community groups concerning conservation, environmental and waste management.	on-going	
	• Household Hazardous Waste Days	Establish twice yearly collection at the Citizen Convenience Center, perhaps in conjunction with Salem’s events. (Formerly participated in programs of CVC and Roanoke Valley Resource Authority).	<i>planned</i>	October 2009

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	• Recycling Committee	Ad hoc group of 12 citizens meets quarterly to provide feedback and input; have identified short-term, mid-range and long-term goals. They were instrumental in getting recycling bins to the schools.	implemented	
	• recycle kiosks	Place in county libraries to provide educational information to citizens about recycling and provide toner/battery vendor return supplies. Includes battery drop-off and shipping supplies to mail used printer cartridges and cell phones for recycling.	<i>planned</i>	Fall 2009
	• sports Booster Clubs	Clubs were encouraged to switch drinks at sporting events from cans to plastic bottles.	implemented	
	• website	Division of Solid Waste and Environmental Management pages on County website provide recycling and environment resource links and information.	implemented	
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<b>Schools</b>				
	• Clean Valley Council (CVC) resource	The CVC sends a staff educator to schools to promote "green" awareness.	implemented	
	• Ecology Clubs	High schools support student ecology clubs. Staff from the Engineering and Solid Waste Divisions serve as resources for those groups (as speakers, leading old Landfill tours, etc.)	implemented	