

Early Action Compact Plan – March 2004
List of Emission Reduction Strategies

BERKELEY COUNTY

According to the latest 8-hour ozone monitoring data, Berkeley County should maintain current attainment for the 8-hour ozone standard. However, in an effort to assist other areas in South Carolina and in the interest of public health and the environment, in December 2002, Berkeley County agreed to participate in the 8-hour ozone early action process. Therefore, based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies are currently being conducted with an additional list of strategies under consideration. Because this Plan is being submitted during the County’s budget development process for FY2004-2005, to list strategies not currently on-going may result in the County not adhering to its commitment to the Early Action Compact. Therefore, Berkeley County will continue to evaluate possibilities to improve the air quality within the County and will continue to implement one or more of the following measures listed within the two tables as effective with regards to resource and political constraints.

Measure under consideration	Detailed description of measure	Current assessment of emission reductions	Proposed date for implementation	Geographic area and/or local government
Awareness	Joined and currently participate in the SC Early Action Plan for 8-hour ozone standard	Directionally Sound	December 2002 On-going	Countywide
Awareness	Meet with SCDHEC staff and County staff to collect and disseminate information including ideas and suggestions that will attempt to maintain current attainment for County. Forwarded information to municipalities, the Water and Sanitation Authority and the School District within the County.	Directionally Sound	June and October 2003, February 2004 On-going	Countywide
Awareness	Information for public available with applicable web links on the County’s website	Directionally Sound	June 2003 On-going	World Wide Web
Awareness - Energy	Current policy of turning off lights, computers and HVAC units daily of County equipment in accordance with Energy Management Guidelines.	Directionally Sound	June 2003 On-going	County owned facilities
Awareness - Energy	Best management practices in accordance with Energy Management Guidelines (HVAC control systems)	Directionally Sound	On-going	County owned facilities
Ozone Action Coordinator	Designated County staff person responsible for ozone education/outreach and dissemination of ozone standard.	Directionally Sound	March 2003	Countywide

Land Use	Zoning ordinance requires landscaped buffers between unlike uses, including trees and shrubs.	Directionally Sound	August 2001 On-going	Unincorporated areas of County
Land Use	Endorse cooperative initiative between County, Conservation District and Conservation Trust of "Greenspace Initiative" that promotes the protection and conservation of recommended areas on a strictly voluntary basis.	Directionally Sound	September 2000 On-going	Countywide
Conservation	Implement "Greenspace Initiative"; promote the protection and conservation of properties in accordance with the plan established in September 2000. Currently, 44% of the County is "green/blue space" (33% land, 11% water) in conservation.	Directionally Sound	September 2000 On-going	Countywide
Land Use	Encourage the development of non polluting industries	Directionally Sound	On-going	Countywide
Conservation	Promote and encourage increased activity of recycling goods (plastics, metal, glass, etc.) through the Berkeley County Water & Sanitation Authority	Directionally Sound	On-going	Countywide
Conservation	Berkeley County Water & Sanitation Authority actively involved in composting and educational programs for backyard composting.	Directionally Sound	On-going	County landfill and countywide
Conservation	Berkeley County Water & Sanitation Authority installed passive gas vents during the closure of the County's "Pre-Subtitle D Landfill".	Directionally Sound	Prior to 2004	County landfill
Mobile Sources	Replaced gasoline golf cart with electric model.	Directionally Sound	2002	Cypress Gardens
Mobile Sources	Purchased two replacement vehicles for Sheriff's department with Flex Fuel (ethanol mixture or regular fuel) alternative.	Directionally Sound	February 2004	County Sheriff's department
Mobile Sources	Operate on scheduled maintenance of vehicles to ensure best management practices are being utilized to decrease the buildup of pollutants in engines.	Directionally Sound	On-going	County's Maintenance Garages
Mobile Sources	Support staggered work schedules to mitigate commuter traffic congestion and provide citizen service	Directionally Sound	On-going	Applicable County departments

This second list of emission reduction strategies include areas of concern and ideas the County continues to research and consider as budgetary means allow. However, this list of measures is being presented as strategies which may be implemented by April 2005, rather beyond this timeframe.

Measure under consideration	Detailed description of measure	Current assessment of emission reductions	Proposed date for implementation	Geographic area and/or local government
Awareness - Energy	Purchase "Green Power"	Directionally Sound	When reasonably cost effective	County owned facilities where available
Awareness - Energy	Participate in "Rebuild South Carolina" (County has participated in the past)	Directionally Sound	When reasonably cost effective	Countywide
Awareness- Energy	Install solar heat system in new County facilities or those to be renovated.	Directionally Sound	When reasonably cost effective	New County owned facilities or those to be renovated
Mobile Sources	Consider continued replacement of gasoline golf carts with electric golf carts (current concern is payload capacity)	Directionally Sound	When reasonably cost effective	Specific County departments
Mobile Sources	Consider purchase of hybrid vehicles for departments that primarily utilize their vehicles for traveling on highways.	Directionally Sound	When reasonably cost effective	Specific County departments
Mobile Sources	Support development of park and ride facilities within the tri-county region	Directionally Sound	When reasonably cost effective	Regional
Conservation	Extending current pilot program for the installation of flares (to burn and neutralize any potentially harmful emissions) at the closed "Pre-Subtitle D Landfill" and if successful, additional flares will be purchased and installed.	Directionally Sound	When program is determined and reasonably cost effective for expansion of program	County landfill

Conservation	Berkeley County Water & Sanitation Authority in preliminary planning stages of long range program for the installation of a landfill gas extraction system including a gas to energy (LFGTE) facility which would also help minimize potentially harmful emissions at its operational municipal solid waste landfill.	Directionally Sound	When reasonably cost effective	County municipal landfill
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