

Watauga Landfill Gas Utilization

RC&D Area

RC&D Area Blue Ridge

Lead State: North Carolina

Summary

Project Number:

Project Status: Active

Approval Date: 3/14/2003

Est. Completion Date: 9/30/2005

Est. Project Costs: \$300,000

Statewide Project: No

Description

To install a collection system for landfill gas at the Watauga landfill to make it possible to utilize the landfill gas to meet local energy needs.

Project Purpose

Area Plan

Goal	Objective	Strategy
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NRCS National Strategic Plan

NRCS Strategies

1. Market-based Approach

NRCS Goals

1. Other

Project Contributions

Source	Program	Type	Amount	Date Received
Department of Energy (DOE)		Cash	\$114,000	9/30/2005
Local Government		Cash	\$74,000	9/30/2005

Project Benefits

Benefit Location	Land Use	Acres	Category	Sub Category	Benefit	Amount	Units	Fiscal Year
Watauga County landfill -	Mined	150	Natural Resources	Air Quality	Greenhouse Gas Reduced	236,054.00	ton	2009
Watauga County landfill -	Mined	150	Natural Resources	Air Quality	Greenhouse Gas Reduced	236,054.00	ton	2008
Watauga County landfill -	Mined	150	Natural Resources	Air Quality	Greenhouse Gas Reduced	236,054.00	ton	2007
Watauga County landfill -	Mined	150	Natural Resources	Air Quality	Greenhouse Gas Reduced	173,500.00	ton	2006

Project Notes

Activity Date: 9/29/2006

Note: Benefits reported on 9/29/2006 are 173,500 tons of CO2 equivalent. That comes from the EPA LMOP benefits calculator using 73.5 SCFM of landfill gas for a 20 year project life. Today's flow is 100 scfm.

