

# Wellford Landfill Methane Recovery Project

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Mike Garrett/Fran Creel

Estimated Start Date: July 2008  
 Est. Completion Date: January 2010

Project Category: New Construction

Project Status: New Project Request  
 Project Number: SW0007

## Project Description, Justification and Location

The Wellford methane recovery project consists of collection, treatment, and delivery of the methane gas generated at the Wellford Landfill to the Milliken Dewey Plant in Inman.



## Benefits to Residents, Visitors, Businesses, or County Employees

The project will reduce fuel costs for the Dewey Plant and generate a positive revenue stream for the County, offsetting capital and on-going operating costs associated with the project. Residents and visitors will benefit from improved air quality. The annual environmental benefits can be equated to:

- Removing the emissions of 10,000 vehicles;
- Planting 14,000 acres of forest;
- Offsetting the use of 260 railroad cars of coal;
- Offsetting the use of 125,000 barrels of oil;
- Eliminating the pollution emissions from providing electricity to 5,000 homes; and
- Eliminating 52,000 tons of the greenhouse gas carbon dioxide.

## Impact on Annual Operating Budget

Annual impact on operating budget when fully operational is estimated at \$200,000, which will be offset by revenues derived from the sale of methane.

## Project Status (as of June 1, 2008)

The County has received qualification statements from consultants and the selection committee will interview firms in July, 2008. After the interviews are completed, the selected consultant will begin design, engineering drawings, and permitting of the collection, treatment, and delivery systems. Any right-of-way required will be obtained. Construction is anticipated to begin during FY 2008/09.

<u>PROJECT</u>	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Wellford Landfill Methane Recovery Project</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	400,000	0	400,000	0	0	0	0	400,000
Land Acquisition/Right-of-Way	250,000	0	250,000	0	0	0	0	250,000
Construction/Improvements	3,350,000	0	350,000	3,000,000	0	0	0	3,350,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>4,000,000</b>	<b>0</b>	<b>1,000,000</b>	<b>3,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,000,000</b>
<u>Revenues</u>								
Solid Waste Fund	1,000,000	0	1,000,000	0	0	0	0	1,000,000
Solid Waste Revenue Bond - FY 2009/10	3,000,000	0	0	3,000,000	0	0	0	3,000,000
<b>Total Revenues</b>	<b>4,000,000</b>	<b>0</b>	<b>1,000,000</b>	<b>3,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,000,000</b>