

**North Carolina Association of County Commissioners
2007-08 Ralph W. Ketner Employee Productivity Awards Application**

County: Rutherford **Employee:** Gene Toney **Email:** Judy.toney@rutherfordcountync.gov

County Department: Solid Waste **Employee Title:** Assistant Solid Waste Director

County Phone: 828-287-6145 **County Mailing Address:** 289 North Main Street, Rutherfordton NC 28139

Is this project being submitted on behalf of two or more employees? **NO** **YES**

If yes, please provide below a listing of all project employees in Number 6. Employee & title as listed above should be for lead team member.
Fair Labors Standards Act Designation: In order for your project to be eligible, you MUST indicate one of the following. If you do not know, please contact your personnel director.

EXEMPT: **NON-EXEMPT:** **BOTH (if applicable to a team):**

1.	Productivity Improvement Title:	Waste Truck Packing System
2.	Implementation Date (must be between January 1, 2007 and December 31, 2007):	1-1-07-12-13-07
3.	Please describe the productivity improvement. (Please limit response to these 2 pages.)	
<p>Rutherford County hauls its Solid Waste to an offsite landfill. Transportation of the Solid Waste is via open top tractor trailers. The trailer comes into the transfer station under the operating area. The open top of the trailer is level with the floor of the transfer station. Two backhoe operators push the solid waste into the trailers and compact it by pushing down on it with the bucket of the backhoe. This process took 2 men, 2 backhoes and 20 minutes to complete.</p> <p>Mr. Toney devised a simple overhead ram type packing system that allowed the truck to be loaded by one backhoe operator in ten minutes. The system he devised is a simple heavy duty pole on the transfer station floor equipped with an I Beam attached perpendicularly to the floor. The beam is remotely controlled from the transfer station office. When engaged, the I Beam travels slowly down the pole onto the waste in the trailer and exerts 1,000 pounds of pressure compacting the trash in the trailer.</p> <p>The job is completed in half the time with half of the staff and half of the equipment previously used.</p> <p>Other counties, as well as an engineering firm ,have visited Rutherford County to see the system.</p>		

4. Please describe why this project was initiated or what problem it addressed:

Time and expense of solid waste employees and equipment to pack trucks for transport

**5. Please quantify the improvement's results in terms of cost savings, cost avoidance and/or a higher level of services provided.
(Please indicate what resources were used to achieve your results, and what was done with the time savings, if any accrued).**

Savings include elimination of the need of one backhoe	
Elimination of the need of backhoe	-\$50,000
Fuel and upkeep for the backhoe per year	-\$15,000
Cost of construction and installation of the Ram Packer	+\$40,000
Savings the first year	\$25,000

*Savings are greater in the following years at an approximate rate of \$50,000 per year. The packer is so simply constructed that maintenance is rare And relatively inexpensive.

6. Please provide any other descriptive information you would like to be considered by the review committee.

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County Manager's Name:	John W. Condrey	Supervisor's Name:	Don Baynard
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Return by June 2, 2008 via email to ncacc@ncacc.org.