The Union County Landfill is a privately owned and operated landfill located ~7 miles north of El Dorado in south-central Arkansas. The gas control and collection system (GCCS) was installed in 1996 and its last expansion was completed in June 2012. Currently, the landfill owner reports a collection rate of about 550 scfm (50% methane) of landfill gas (LFG). Utilization of this LFG would result in avoided emissions from conventional electricity sources in 2015, equivalent to preventing emissions of nearly 8,500 metric tons of CO$_2$e per year.

These emission reductions are equivalent to any one of the following annual environmental benefits for 2015:

- Carbon sequestered annually by nearly 7,000 acres of U.S. forests
- CO$_2$ emissions from more than 950,000 gallons of gasoline consumed
- CO$_2$ emissions from more than 19,000 barrels of oil consumed

The Union County Landfill reports that it is currently required to collect and combust LFG under the Landfill NSPS/EG. Electricity is provided to the landfill by Entergy.
Incentives for LFG Energy

The state of Arkansas currently offers some incentives for renewable energy produced from LFG. Resources available that summarize existing incentives include:

- The Database of State Incentives for Renewables and Efficiency outlines incentive programs and funding options for renewable energy projects in Arkansas – [www.dsireusa.org](http://www.dsireusa.org);

### Landfill Contact Information

**Union County Landfill**  
3083 Smackover Highway  
El Dorado, AR 71730

**WCA Waste Corporation**  
(Landfill Owner)  
Derrick Standley  
713.292.2412  
dstandley@wcamerica.com

### Landfill Location and Potential End User Information

- The Union County Landfill is located near El Dorado, Arkansas, which is about 120 miles south of Little Rock in far southern Arkansas;
- El Dorado has a population of around 18,000 people and is the county seat for Union County;
- The landfill is located approximately 7 miles north of the City of El Dorado;
- The LMOP Locator tool indicates there are about 65 potential LFG end-users located within five miles of the Union County Landfill.

For more information, please visit LMOP’s website at [www.epa.gov/lmop](http://www.epa.gov/lmop).