

# COMPANIES: Cargill



## PRACTICE

**Renewable energy: reclaiming methane and utilizing biogas**

## PROBLEM

**Animal manure releases significant methane into the environment**

## DESCRIPTION OF PRACTICE

Cargill has many biogas projects around the world, including sites in Mexico, South Africa, China, Honduras, Thailand, Indonesia, and the Philippines. At its beef and pork plants, Cargill captures methane from wastewater lagoons (areas where manure is held) and then uses the methane to fuel the boilers that power its plant. Using this methane significantly reduces Cargill's fossil fuel use.

## RESULTS

### US

Biogas now displaces 20-25 percent of natural gas demand at all eight of Cargill's US meat processing plants. Using the biogas reduces greenhouse gas (GHG) emissions by more than 1.3 million metric tons in the last four years. The amount of renewable biomass Cargill used in 2009 would be enough to power the complete energy needs of a town of 100,000 people (in the US).

### KOREA

Cargill announced an investment in a biogas project on in Jeju, Korea. Transforming waste from hog farms, the site will generate almost 700,000 kilowatt-hours of electricity each year.

## RESOURCES

**A Manual for Developing Biogas Systems at Commercial Farms in the United States –**

<http://nepis.epa.gov/Exe/ZyNET.exe/P1008VFM.TXT?ZyActionD=ZyDocument&Client=EPA&Index=2000+Thru+2005&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A\zyfiles\Index%20Data\00thru05\Txt\00000025\P1008VFM.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h|-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=p|f&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL>

