

## Verified Carbon Standard Landfill Gas Credits from the United States

**Location:** Illinois, USA

**Emissions Reduction:** Average annual of over 80,000 tonnes

**Certifications:** Verified Carbon Standard (VCS)

**Description:** This project involves two phases. Phase 1 being the recovery and flaring of landfill gases (LFG's) emitted by a municipal landfill in Illinois. Additionally the second phase of the project is to utilise the flared LFG's for renewable energy generation with the capacity to produce 42,000 Mwh of electricity annually

### Environmental Benefits:

- Removal of unpleasant odours due to the extraction and destruction of the landfill gases
- Capture and combustion of Methane which is 21 times stronger than carbon dioxide
- Reduced pressure on fossil fuel electricity generation by providing renewable energy to the municipal utility

### Socio-economic Benefits:

- Dual source of economic benefits by providing carbon credits for a reduction in emissions by capturing and flaring LFG's. Additional to this producing renewable energy as a by-product from flaring eligible for Renewable Energy Certificates (REC's)
- Provides further employment in the local community to implement and operate the project
- Represents a capital investment injected into the local economy
- Technology transfer and a successful project example for mirrored project implementation



View of the Open flare at the Rochelle Landfill

