

Landfill Services

Run Energy provides a comprehensive range of design, installation, operations, maintenance and technical services for landfill environmental management and landfill gas power generation.

Landfill Gas Modelling and Forecasting

- Landfill gas generation and recovery computer modelling and forecasting
- Proprietary *runflow* landfill gas computer simulation model

Landfill Gas Collection System

- Design
- Well drilling
- Gas collection system installation
- Gas pipeline installation
- Monitoring
- System balancing (flow/vacuum) for optimum gas recovery
- Performance analysis and troubleshooting
- Maintenance
- Gas pumping/flow testing trials
- Well radius of influence testing
- Underground landfill fire control

Landfill Surface Emissions Monitoring

- Program design and set-up
- Field monitoring implementation
- GPS location and mapping of monitoring points

Landfill Gas Flare Systems

- Flare supply and installation
- Landfill gas fuelled generator supply and installation
- Operation and maintenance
- Rental - short-term/long-term

Leachate Systems

- Pump supply and rental
- Pump installation
- Pump maintenance
- Leachate level monitoring
- Leachate extraction, monitoring and control
- Leachate treatment systems operation and maintenance
- Leachate discharge sampling and control

Groundwater Systems

- Groundwater level monitoring/data logging
- Groundwater sampling

Landfill Off-Site Monitoring and Clean-up

- Landfill gas monitoring bore installation
- Landfill gas monitoring bore monitoring and reporting
- Gas monitoring of buildings and structures (including residences)
- Landfill gas recovery and clean-up

Landfill Gas Power Generation Facilities

- Operations
- Maintenance
- Equipment re-builds, overhauls and change-outs
- Retrofits
- Utility/grid operator interface coordination
- Inspection, testing and condition assessment

General Site

- Site infrastructure maintenance
- General site inspection and monitoring

Call-out and Emergency Response

- 24 x 7 response for all services

Data Management and Reporting

- *rungas* landfill gas and leachate data management and reporting system
- *runasset* asset management system - operations and maintenance scheduling, work order and reporting system
- *runextranet* web site to provide continuous up-to-date information to customers
- Operations and production reporting system
- Environmental regulatory reporting system
- Greenhouse gas emissions regulatory reporting
- Data mapping and visualisation tools
- All data and reporting systems web based - available 24 x 7 from any location with internet connection