

Under Construction Landfill Methane Project



Tags

Under Construction Landfill Gas Projects, Landfill Gas, LFG, Landfill, Gas, U.S. Environmental Protection Agency, EPA, Landfill Methane Outreach Program, LMOP

Summary

Creative use of landfill gas (LFG) includes heating greenhouses, producing electricity and heat in cogeneration applications, firing brick kilns, supplying high-Btu pipeline-quality gas, fueling garbage trucks, and providing fuel to chemical and automobile manufacturing. Projects range from small-scale community-driven initiatives to multi-million-dollar private investments.

Description

This layer displays the current under construction landfill gas projects in the United States.

Credits

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

Use Limitations

Acknowledgment of the U.S. Environmental Protection Agency - Landfill Methane Outreach Program would be appreciated in products derived from this data.

Extent

West -123.379000 East -64.885500
North 45.846070 South 18.313000

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:20,000,000

ArcGIS Metadata

Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE environment, location, utilitiesCommunication

* CONTENT TYPE Downloadable Data
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

THEME KEYWORDS Under Construction Landfill Gas Projects, Landfill Gas, LFG, Landfill, Gas, U.S. Environmental Protection Agency, EPA, Landfill Methane Outreach Program, LMOP

Citation

TITLE Under Construction Landfill Methane Project

PRESENTATION FORMATS * digital map

Citation Contacts

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Scott Schlueter
ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S POSITION GIS Analyst
CONTACT'S ROLE processor

CONTACT INFORMATION

PHONE

VOICE 1-630-252-2302

ADDRESS

TYPE both
DELIVERY POINT 9700 South Cass Avenue, EVS/Bldg 240
CITY Argonne
ADMINISTRATIVE AREA IL
POSTAL CODE 60439
COUNTRY US
E-MAIL ADDRESS sschlueter@anl.gov

Resource Details

DATASET LANGUAGES * English (UNITED STATES)

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7600) ; Esri ArcGIS 10.1.1.3143

CREDITS

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

ARCGIS ITEM PROPERTIES

* NAME LFs_w_UC_Prj
* LOCATION
* ACCESS PROTOCOL Local Area Network

Extents

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
* WEST LONGITUDE -123.379000
* EAST LONGITUDE -64.885500
* NORTH LATITUDE 45.846070
* SOUTH LATITUDE 18.313000
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -123.379000
* EAST LONGITUDE -64.885500
* SOUTH LATITUDE 18.313000
* NORTH LATITUDE 45.846070
* EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact

POINT OF CONTACT

ORGANIZATION'S NAME U.S. Environmental Protection Agency - Landfill Methane Outreach Program

CONTACT'S ROLE owner

CONTACT INFORMATION

ADDRESS

TYPE both

DELIVERY POINT 1200 Pennsylvania Avenue

CITY Washington

ADMINISTRATIVE AREA District of Columbia

POSTAL CODE 20460

COUNTRY US

Resource Constraints

CONSTRAINTS

LIMITATIONS OF USE

Acknowledgment of the U.S. Environmental Protection Agency - Landfill Methane Outreach Program would be appreciated in products derived from this data.

Spatial Reference

ARCGIS COORDINATE SYSTEM

* TYPE Geographic

* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983

* COORDINATE REFERENCE DETAILS

GEOGRAPHIC COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 4269

X ORIGIN -400

Y ORIGIN -400

XY SCALE 999999999.99999988

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 8.9831528411952133e-009

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LEFT LONGITUDE -180

LATEST WELL-KNOWN IDENTIFIER 4269

WELL-KNOWN TEXT GEOGCS["GCS_North_American_1983",DATUM

["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM

["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORITY["EPSG",4269]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 4269

* CODESPACE EPSG

* VERSION 7.11.2

Spatial Data Properties

VECTOR

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME LFs_w_UC_Prj

- * OBJECT TYPE point
- * OBJECT COUNT 44

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME LFs_w_UC_Prj

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Point
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 44
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

Distribution

DISTRIBUTION FORMAT

- * NAME File Geodatabase Feature Class

Fields

DETAILS FOR OBJECT LFs_w_UC_Prj

- * TYPE Feature Class
- * ROW COUNT 44

FIELD OBJECTID

- * ALIAS OBJECTID
- * DATA TYPE OID
- * WIDTH 4
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Internal feature number.

- * DESCRIPTION SOURCE
ESRI

- * DESCRIPTION OF VALUES Sequential unique whole numbers that are automatically generated.

FIELD Landfill_ID_

- * ALIAS Landfill_ID__
- * DATA TYPE Double
- * PRECISION 0
- * SCALE 0
- * WIDTH 8

FIELD DESCRIPTION

Landfill ID Number

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Landfill_Name

- * ALIAS Landfill_Name
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Landfill Name

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Landfill_City

- * ALIAS Landfill_City
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

City Name

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Landfill_County

- * ALIAS Landfill_County
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

County Name

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Landfill_State

- * ALIAS Landfill_State
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

State Abbreviation

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Landfill_Latitude

- * ALIAS Landfill_Latitude
- * DATA TYPE Double
- * PRECISION 0
- * SCALE 0
- * WIDTH 8

FIELD DESCRIPTION

Latitude

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Landfill_Longitude

- * ALIAS Landfill_Longitude
- * DATA TYPE Double
- * PRECISION 0
- * SCALE 0
- * WIDTH 8

FIELD DESCRIPTION

Longitude

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Landfill_Owner_Organization

- * ALIAS Landfill_Owner_Organization
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Landfill Owner Organization

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Year_Landfill_Opened

- * ALIAS Year_Landfill_Opened
- * DATA TYPE Double
- * PRECISION 0
- * SCALE 0
- * WIDTH 8

FIELD DESCRIPTION

Year Landfill Opened

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Landfill_Closure_Year

- * ALIAS Landfill_Closure_Year
- * DATA TYPE Double
- * PRECISION 0
- * SCALE 0
- * WIDTH 8

FIELD DESCRIPTION

Year Landfill Closed

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Current_Landfill_Status

- * ALIAS Current_Landfill_Status
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Current Landfill Status

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Waste_in_Place_tons_

- * ALIAS Waste_in_Place_tons_
- * DATA TYPE Double
- * PRECISION 0
- * SCALE 0
- * WIDTH 8

FIELD DESCRIPTION

Waste in Place (tons)

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Waste_in_Place_Year

- * ALIAS Waste_in_Place_Year
- * DATA TYPE Double
- * PRECISION 0
- * SCALE 0
- * WIDTH 8

FIELD DESCRIPTION

Waste in Place Year

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD LFG_Generated__mmscfd_

- * ALIAS LFG_Generated_mmscfd_
- * DATA TYPE Double
- * PRECISION 0
- * SCALE 0
- * WIDTH 8

FIELD DESCRIPTION

Landfill Gas Generated (million standard cubic feet per day)

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD LFG_Collected_mmscfd_

- * ALIAS LFG_Collected_mmscfd_
- * DATA TYPE Double
- * PRECISION 0
- * SCALE 0
- * WIDTH 8

FIELD DESCRIPTION

Landfill Gas Collected (million standard cubic feet per day)

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD LFG_Flared_mmscfd_

- * ALIAS LFG_Flared_mmscfd_
- * DATA TYPE Double
- * PRECISION 0
- * SCALE 0
- * WIDTH 8

FIELD DESCRIPTION

Landfill Gas Flared (million standard cubic feet per day)

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD LFs_w_UC_Prj

- * ALIAS LFs_w_UC_Prj
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Landfill Under Construction Project

DESCRIPTION SOURCE

U.S. Environmental Protection Agency - Landfill Methane Outreach Program

FIELD Shape

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Feature geometry.

- * DESCRIPTION SOURCE
ESRI

- * DESCRIPTION OF VALUES Coordinates defining the features.

Metadata Details

- * METADATA LANGUAGE English (UNITED STATES)

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
SCOPE NAME * dataset

- * LAST UPDATE 2012-11-30

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE ISO 19139 Metadata Implementation Specification
STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2012-02-29 09:23:53
LAST MODIFIED IN ARCGIS FOR THE ITEM 2012-11-30 13:01:27

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2012-11-30 11:51:52

Metadata Contacts

METADATA CONTACT

INDIVIDUAL'S NAME Kevin Hlava
ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S POSITION GIS Assistant/Specialist
CONTACT'S ROLE point of contact

CONTACT INFORMATION

PHONE
VOICE 1-630-252-0060

ADDRESS

TYPE both
DELIVERY POINT 9700 South Cass Avenue, EVS/Bldg 240
CITY Argonne
ADMINISTRATIVE AREA IL
POSTAL CODE 60439
COUNTRY US
E-MAIL ADDRESS khlava@anl.gov

Thumbnail and Enclosures

THUMBNAIL
THUMBNAIL TYPE JPG

FGDC Metadata (read-only)