Biodiesel Plants in the U.S.

Summary

This data was created for the purpose of identifying and providing detailed information on biodiesel plants in the United States.

Description

Biodiesel plants in the United States as of January 1, 2019. Attribute data come from EIA's U.S. Biodiesel Plant Production Capacity (https://www.eia.gov/biofuels/capacity/). Source: EIA-22M, Monthly Biodiesel Production Survey. Locations determined through publicly available information such as company websites and media reports.

Credits

U.S. Energy Information Administration

Use limitations

None (public use). Users are advised to thoroughly review the metadata to understand the appropriate use and limitations of the data. These data and related graphics, if available, are not legal documents and are not intended to be used as such.The information contained in these data is dynamic and may change over time. The U.S. Energy Information Administration gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of these data.

Extent

West	-156.461400	**East**	-70.327500
North	61.163600	**South**	20.892300

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata

Topics and Keywords

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

PLACE KEYWORDS   United States, U.S.

THEME KEYWORDS   biodiesel, renewable, energy, infrastructure, EIA

Citation

TITLE Biodiesel Plants in the U.S.
PUBLICATION DATE 2019-10-08 00:00:00

PRESENTATION FORMATS   * digital map

Resource Details

DATASET LANGUAGES   * English (UNITED STATES)
DATASET CHARACTER SET   utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE   * vector

* PROCESSING ENVIRONMENT   Version 6.2 (Build 9200) ; Esri ArcGIS 10.6.1.9270

CREDITS
U.S. Energy Information Administration

ArcGIS ITEM PROPERTIES
* NAME
* SIZE 0.003
* LOCATION
* ACCESS PROTOCOL Local Area Network

Extents

EXTENT
GEOGRAPHIC EXTENT

  EXTENT TYPE   Extent used for searching
  * WEST LONGITUDE   -156.461400
  * EAST LONGITUDE   -70.327500
  * NORTH LATITUDE   61.163600
  * SOUTH LATITUDE   20.892300
  * EXTENT CONTAINS THE RESOURCE   Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
  * WEST LONGITUDE   -17417203.376803
  * EAST LONGITUDE   -7828821.488764
  * SOUTH LATITUDE   2379041.137051
  * NORTH LATITUDE   8663485.327906
  * EXTENT CONTAINS THE RESOURCE   Yes

Resource Maintenance

RESOURCE MAINTENANCE
  UPDATE FREQUENCY   annually

Resource Constraints

CONSTRAINTS
  LIMITATIONS OF USE
  None (public use). Users are advised to thoroughly review the metadata to understand the appropriate use and limitations of the data. These data and related graphics, if available, are not legal documents and are not intended to be used as such.The information contained in these data is dynamic and may change over time. The U.S. Energy Information Administration gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of these data.

Spatial Reference

ArcGIS COORDINATE SYSTEM
  * TYPE   Projected
  * GEOGRAPHIC COORDINATE REFERENCE   GCS_WGS_1984
  * PROJECTION   WGS_1984_Web_Mercator_Auxiliary_Sphere
  * COORDINATE REFERENCE DETAILS
    PROJECTED COORDINATE SYSTEM
      WELL-KNOWN IDENTIFIER   102100
      X ORIGIN   -21940362.558068998
      Y ORIGIN   -30241100
      XY SCALE   144381166.92742443
      Z ORIGIN   -100000
      Z SCALE   10000
      M ORIGIN   -100000
      M SCALE   10000
      XY TOLERANCE   0.001
      Z TOLERANCE   0.001
      M TOLERANCE   0.001
      HIGH PRECISION   true
      LATEST WELL-KNOWN IDENTIFIER   3857
      WELL-KNOWN TEXT PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

REFERENCE SYSTEM IDENTIFIER
  * VALUE   3857
  * CODESPACE   EPSG
  * VERSION   8.8(9.3.1.2)

Spatial Data Properties

VECTOR
  * LEVEL OF TOPOLOGY FOR THIS DATASET   geometry only

GEOMETRIC OBJECTS
  FEATURE CLASS NAME   plant_biodiesel_eia_v3
  * OBJECT TYPE   point
  * OBJECT COUNT   102

ArcGIS FEATURE CLASS PROPERTIES
  FEATURE CLASS NAME   plant_biodiesel_eia_v3
  * FEATURE TYPE   Simple
  * GEOMETRY TYPE   Point
  * HAS TOPOLOGY   FALSE
  * FEATURE COUNT   102
  * SPATIAL INDEX   TRUE
  * LINEAR REFERENCING   FALSE

Lineage

LINEAGE STATEMENT
  Attribute data come from EIA's U.S. Biodiesel Plant Production Capacity (https://www.eia.gov/biofuels/capacity/) as collected on EIA-22M, Monthly Biodiesel Production Survey. Locations determined through publicly available information such as company websites and media reports.

Distribution

DISTRIBUTION FORMAT
  * NAME   File Geodatabase Feature Class

TRANSFER OPTIONS
  * TRANSFER SIZE   0.003

Fields

DETAILS FOR OBJECT plant_biodiesel_eia_v3
  * TYPE   Feature Class
  * ROW COUNT   102

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 Company
* **Alias** Company
* **Data type** String
* **Width** 254
* **Precision** 0
* **Scale** 0

Field Cap_Mmgal
Alias Production Capacity
* **Data type** String
* **Width** 254
* **Precision** 0
* **Scale** 0
Field description
  Annual production capacity in millions of gallons.

Description source
  EIA-22M (Monthly Biodiesel Production Survey)

Field State
* **Alias** State
* **Data type** String
* **Width** 254
* **Precision** 0
* **Scale** 0
Field description
  State location of plant.

Field PADD
* **Alias** PADD
* **Data type** Integer
* **Width** 4
* **Precision** 0
* **Scale** 0
Field description
  Petroleum Administration for Defense District (PADD) location of the plant.

  PADDs are made up of the 50 U.S. states and the District of Columbia and are divided into five districts.

Field Longitude
* **Alias** Longitude
* **Data type** Double
* **Width** 8
* **Precision** 0
* **Scale** 0
Field description
  The longitude of the ethanol plant in decimal degrees.

Field Latitude
* **Alias** Latitude
* **Data type** Double
* **Width** 8
* **Precision** 0
* **Scale** 0
Field description
  The latitude of the ethanol plant in decimal degrees.

Field Source
* **Alias** Source
* **Data type** String
* **Width** 254
* **Precision** 0
* **Scale** 0
Field description
  EIA-22m (Monthly Biodiesel Production Survey)

Description source
  EIA

Field Period
Alias Data period
* **Data type** String
* **Width** 254
* **Precision** 0
* **Scale** 0
Field description
  The time period/currency of the data.

Description source
  EIA

Field Shape
* **Alias** Shape
* **Data type** Geometry

* Wɪᴅᴛʜ 0
* Pʀᴇᴄɪsɪᴏɴ 0
* Sᴄᴀʟᴇ 0
* Fɪᴇʟᴅ ᴅᴇsᴄʀɪᴘᴛɪᴏɴ
   Feature geometry.

* Dᴇsᴄʀɪᴘᴛɪᴏɴ sᴏᴜʀᴄᴇ
   Esri

* Dᴇsᴄʀɪᴘᴛɪᴏɴ ᴏғ ᴠᴀʟᴜᴇs
   Coordinates defining the features.

Metadata Details

* Mᴇᴛᴀᴅᴀᴛᴀ ʟᴀɴɢᴜᴀɢᴇ English (UNITED STATES)

Sᴄᴏᴘᴇ ᴏғ ᴛʜᴇ ᴅᴀᴛᴀ ᴅᴇsᴄʀɪʙᴇᴅ ʙʏ ᴛʜᴇ ᴍᴇᴛᴀᴅᴀᴛᴀ * dataset
Sᴄᴏᴘᴇ ɴᴀᴍᴇ * dataset

* Lᴀsᴛ ᴜᴘᴅᴀᴛᴇ 2021-08-05

AʀᴄGIS ᴍᴇᴛᴀᴅᴀᴛᴀ ᴘʀᴏᴘᴇʀᴛɪᴇs
   Mᴇᴛᴀᴅᴀᴛᴀ ғᴏʀᴍᴀᴛ ArcGIS 1.0
   Mᴇᴛᴀᴅᴀᴛᴀ sᴛʏʟᴇ FGDC CSDGM Metadata
   Sᴛᴀɴᴅᴀʀᴅ ᴏʀ ᴘʀᴏғɪʟᴇ ᴜsᴇᴅ ᴛᴏ ᴇᴅɪᴛ ᴍᴇᴛᴀᴅᴀᴛᴀ FGDC

   Cʀᴇᴀᴛᴇᴅ ɪɴ AʀᴄGIS ғᴏʀ ᴛʜᴇ ɪᴛᴇᴍ 2021-07-06 09:22:49
   Lᴀsᴛ ᴍᴏᴅɪғɪᴇᴅ ɪɴ AʀᴄGIS ғᴏʀ ᴛʜᴇ ɪᴛᴇᴍ 2021-08-05 12:04:59

   Aᴜᴛᴏᴍᴀᴛɪᴄ ᴜᴘᴅᴀᴛᴇs
      Hᴀᴠᴇ ʙᴇᴇɴ ᴘᴇʀғᴏʀᴍᴇᴅ Yes
      Lᴀsᴛ ᴜᴘᴅᴀᴛᴇ 2021-08-05 12:04:59

Metadata Contacts

Mᴇᴛᴀᴅᴀᴛᴀ ᴄᴏɴᴛᴀᴄᴛ
   Iɴᴅɪᴠɪᴅᴜᴀʟ's ɴᴀᴍᴇ EIA mapping feedback: mapping@eia.gov