

Rextag Data Dictionary

***A Comprehensive List of
Datasets, Shapefiles, and Attribute
Definitions***

For Update 1003



DATASET – Natural Gas

Pipelines (NG_PIPE)

<i>Pipelines (NG_PIPE_)</i>	
NAME	Pipeline short name for labeling purposes
MAP_LABEL	Pipeline short name for labeling purposes
OPERATOR	Full Pipeline Operator Name
OWNER	Pipeline Owner Name
SYS_NAME	Name of the pipeline system
DIAMETER	Diameter of pipe (If available) in inches
SYS_TYPE	Pipeline designation type (Transmission, Distribution, Gathering, LNG Header, Storage Header, Other)
INTERSTATE	If pipeline is an Interstate pipeline (Y) or not (N)
RATE_ZONE	Pipeline pay rate zone (If applicable)
OPER_STAT	Pipeline Operational Status (Operational, Under Development, Abandoned)
FERC_CODE	Federal Energy Regulatory Commission Code for Interstate Natural Gas Pipelines Only
STATE	State that this particular segment/pipe resides
FIPS	State/County FIPS that this particular segment/pipe resides
COMMODITY	Pipeline Commodity (GAS)
RQCHECK	Rextag Quality Check; Internal Use Only
NOTES	Specific Notes relating to the pipeline
GIS_ZONE	Rextag's GIS Zone name (Visit www.rextagstrategies.com for more information)

Gas Meter Points (NG_METER_POINTS)

<i>Gas Meter Points (NG_METER_POINTS_)</i>	
PLNAME	Pipeline's complete name as filed with the FERC
PLFERC	Pipeline's FERC Code
PT_LOCNAME	Name of the meter point location as filed by the pipeline's company
PT_DESCR	Describes the purpose of the meter point as filed by the pipeline's company
PT_REXTYPE	Meter point type as assigned by Rextag given the scheduled capacity activity (R = Receipt, D = Delivery, I = Injection, W = Withdrawal, B = Bidirectional, U = Unknown)
PT_PPL_NUM	Proprietary location number as filed by the pipeline's company
PT_DRN	Data Reference Number as filed by the pipeline's company
PTINTERTYPE	Interconnection pipeline type as assigned by Rextag (GPR = Gas Processing Plant, GTH = Gathering Point, IAP = Intrastate Pipeline, IEP = Interstate Pipeline, IND = Industrial, LDC = Local Distribution Company, LNG = Liquefied Natural Gas, PWR = Power Plant, STO = Storage Location, UND = Undetermined)
PTINTRCOMP	Meter point's owner/operator company

<i>Gas Meter Points (NG_METER_POINTS_)</i>	
PTDSGN	Design capacity describes the purpose of the point as filed by the pipeline's company
PT_09SCHED	Average scheduled capacity during the year 2009 in million ekatherm (MMDth)
PTSUMMER09	Average Summer scheduled capacity during the summer of 2009, (April 1 through October 31, 2009) in MMDth
PTWINTER09	Average scheduled capacity during the 2009-2010 winter (November 1, 2009 through March 31, 2010) in MMDth
PT_08SCHED	Average scheduled capacity during the year 2008 in million ekatherm (MMDth)
PTSUMMER08	Average Summer scheduled capacity during the summer of 2008, (April 1 through October 31, 2008) in MMDth
PTWINTER08	Average scheduled capacity during the 2008-2009 winter (November 1, 2008 through March 31, 2009) in MMDth
PTPIPELINE	Pipeline short name for labeling purposes
PT_COUNTY	County
PT_STATE	State
PT_X_LONG	Longitude
PT_Y_LAT	Latitude
PT_RID	Point Rextag Identification Number, Internal Use Only

Storage Facilities (NG_STORAGE)

<i>Storage Facilities (NG_STORAGE)</i>	
NAME	Storage Facility Name
STATUS	Operational Status (Operating, Out of Service, Under Development)
TYPE	Storage Facility Type (Abandoned Mine, Aquifer, Bedded Salt, Depleted Reservoir, Salt Cavern, Salt Dome)
OPERATOR	Storage Facility Operator(s)
OWNERS	Storage Facility Owner(s)
REGION	Region of Operation
EXPSVCDT	Expected In-Service Date
INTSVCDT	Initial In-Service Date
TTLCPCTY	Total Capacity of Storage Facility in million cubic feet (MMcf)
BASEMMCF	Base Gas of Storage Facility (MMcf)
CWKGCPY	Current Working Gas Capacity of Storage Facility (MMcf)
PREVTO99	1999 or Previous Working Gas Capacity (MMcf)
PWKGCPY	Proposed Working Gas Capacity (MMcf)
PADWCPTY	Proposed Additional Working Capacity (MMcf)
PTAWCPTY	Potential Additional Working Capacity (What in theory could be added)
CA_3RDPRT	Capacity Available to 3 rd Parties (MMcf)
MAXINJRT	Maximum Injection Rate (MMcf/d)
PAIJCPY	Proposed Additional Injection Capacity (MMcf)
MAXDLVTY	Maximum Deliverability (MMcf/d)

<i>Storage Facilities (NG_STORAGE)</i>	
1999DLVTY	1999 or Previous Deliverability (MMcf/d)
PADCPCTY	Proposed Additional Delivery Capacity (MMcf/d)
TTLCOMPHP	Year Data Updated
YRDATAUP	Total Compression (Horsepower)
LATITUDE	Latitude
LONGITUDE	Longitude
COUNTY	County
STATE	State
OTHR_LOCAL	Location outside the United States (If applicable)

Compressor Stations (NG_COMPR)

<i>Compressor Stations (NG_COMPR)</i>	
Name	Compressor station short name for labeling purposes
Company	Pipeline Company associated with compressor
HP	Installed Horsepower (If available)
FERC_Code	Federal Energy Regulatory Commission code for interstate natural gas pipelines only
Type	Associated pipeline classification type (Transmission, Distribution, Gathering)
Interstate	If associated pipeline is an Interstate pipeline (Y) or not (N)

Processing Plants (NG_PRPLANT)

<i>Processing Plants (NG_PRPLANT)</i>	
Name	Plant name
OPERATOR	Operator/Owner name
CAPACITY	Plant Capacity (If available)
OPER_STAT	Plant Operational Status (Operational, Under Development, Abandoned)
THROUGHPUT	Plant throughput (if available)
ETHANE	Ethane production capacity (Mmcf/d) (if available)
PROPANE	Propane production capacity (Mmcf/d) (if available)
ISOBUT	Isobutane production capacity (Mmcf/d) (if available)
NORM_BUTAN	Normal or unsplit butane production capacity (Mmcf/d) (if available)
LPGMIX	Liquefied petroleum gas mix production capacity (Mmcf/d) (if available)
RAW_NGLMIX	Natural gas liquids mix production capacity (Mmcf/d) (if available)
DEBUTNATGA	Debutanized natural gas production capacity (Mmcf/d) (if available)
OTHER	Other production capacity (Mmcf/d) (if available)
TOTAL_PROD	Total production capacity (Mmcf/d) (if available)
LAT	Latitude (NAD 83)
LON	Longitude (NAD 83)

LNG Sites (NG_LNG)

<i>LNG Sites (NG_LNG)</i>	
Type	Regasification or liquefaction terminal type
Name	LNG Facility name
Capacity	Facility operational capacity in billion cubic feet per day (Bcf/d)
Status	Facility operational status (Canceled, Construction, Existing, Proposed, Speculative)
Owner	Facility Owner(s)
Describe	Any necessary description of the facility
City	Nearest city (If available)
State	State
Country	Country
X_Long	Longitude
Y_Lat	Latitude
Source_TYP	Source of information
Source_DT	Date data updated
Pos_Reliab	Accuracy position
Cap_Unit	Capacity Units
Website	Facility website

Top Natural Gas Fields (NG_TOPFLD)

<i>Top Natural Gas Fields (NG_TOPFLD)</i>	
NAME	Gas field name
TYPE	Producing commodity

Natural Gas Pipeline Pricing Points (NG_PRICING)

<i>Natural Gas Pipeline Pricing Points (NG_PRICING)</i>	
Point_Name	Pricing Point Name
QuickTrade	Rextag's QuickTradeX Region
200X_AVG	Average gas price at this point in 200X
2008_AVGXX	Average gas price in 2008 in the month of XX
REX_CODE	Internal Rextag point code

DATASET – Crude Oil

Pipelines (CRD_PIPE)

<i>Pipelines (CRD_PIPE)</i>	
NAME	Pipeline short name for labeling purposes
MAP_LABEL	Pipeline short name for labeling purposes
OPERATOR	Full Pipeline Operator Name
OWNER	Pipeline Owner Name
SYS_NAME	Name of the pipeline system
DIAMETER	Diameter of pipe (If available) in inches
SYS_TYPE	Pipeline designation type (Transmission, Gathering)
INTERSTATE	If pipeline is an Interstate pipeline (Y) or not (N)
RATE_ZONE	Not applicable
OPER_STAT	Pipeline Operational Status (Operational, Under Development, Abandoned)
FERC_CODE	Not applicable
STATE	State that this particular segment/pipe resides
FIPS	State/County FIPS that this particular segment/pipe resides
COMMODITY	Pipeline Commodity (CRD)
RQCHECK	Rextag Quality Check; Internal Use Only
NOTES	Specific Notes relating to the pipeline
GIS_ZONE	Rextag's GIS Zone name (Visit www.rextagstrategies.com for more information)

Refineries (CRD_PRD_REFINE)

<i>Refineries (CRD_PRD_REFINE)</i>	
NAME	Refinery short name for labeling purposes
CAP_BPD	Refining capacity in Barrels per Day (BPD)
CAP_KBPD	Refining capacity in Thousand of Barrels per Day (KBPD)
OWNER	Refinery company Owner/Operator
STATE	State that the refinery is located ('International' if outside the United States)
Full_Name	Full refinery name
Status	Status of refinery (Operational, Proposed)

Terminals (CRD_PRD_TER)

<i>Terminals (CRD_PRD_TER)</i>	
Name	Terminal name, short name for labeling purposes
Company	Terminal company Owner/Operator
TYPE	Type of terminal (Terminal, Truck Facility, Storage Facility/Tank Farm)

Pump Stations (CRD_PUMP)

<i>Pump Stations (CRD_PUMP)</i>	
NAME	Pump Station name
OWNER	Pump Station company Owner/Operator
COMMODITY	Associated pipeline producing commodity

Petroleum Administration for Defense Districts (CRD_PRD_PADD)

PADD	District number in Roman Numerals
------	-----------------------------------

U.S. Refining Districts (CRD_PRD_DISTR)

<i>U.S. Refining Districts (CRD_PRD_DISTR)</i>	
Districts	District name (Appalachian, East Coast, Indiana-Illinois-Kentucky, Louisiana Gulf Coast, Minnesota-Wisconsin-N. and S. Dakota, N. Louisiana-Arkansas, New Mexico, Oklahoma-Kansas-Missouri, Rocky Mountain, Texas Gulf Coast, Texas Inland, West Coast)

Top Producing Oil Fields (CRD_PRD_OILFIELDS)

<i>Top Producing Oil Fields (CRD_PRD_OILFIELDS)</i>	
Name	Field name
Type	Producing Commodity

DATASET – Refined Products

Pipelines (PRD_PIPE)

<i>Pipelines (PRD_PIPE)</i>	
NAME	Pipeline short name for labeling purposes
MAP_LABEL	Pipeline short name for labeling purposes
OPERATOR	Full Pipeline Operator Name
OWNER	Pipeline Owner Name
SYS_NAME	Name of the pipeline system
DIAMETER	Diameter of pipe (If available) in inches
SYS_TYPE	Pipeline designation type (Transmission)
INTERSTATE	If pipeline is an Interstate pipeline (Y) or not (N)
RATE_ZONE	Not applicable
OPER_STAT	Pipeline Operational Status (Operational, Under Development, Abandoned)
FERC_CODE	Not applicable
STATE	State that this particular segment/pipe resides
FIPS	State/County FIPS that this particular segment/pipe resides
COMMODITY	Pipeline Commodity (PRD)
RQCHECK	Rextag Quality Check; Internal Use Only
NOTES	Specific Notes relating to the pipeline
GIS_ZONE	Rextag's GIS Zone name (Visit www.rextagstrategies.com for more information)

Refineries (CRD_PRD_REFINE)

<i>Refineries (CRD_PRD_REFINE)</i>	
NAME	Refinery short name for labeling purposes
CAP_BPD	Refining capacity in Barrels per Day (BPD)
CAP_KBPD	Refining capacity in Thousand of Barrels per Day (KBPD)
OWNER	Refinery company Owner/Operator
STATE	State that the refinery is located ('International' if outside the United States)
Full_Name	Full refinery name
Status	Status of refinery (Operational, Proposed)

Terminals (CRD_PRD_TER)

<i>Terminals (CRD_PRD_TER)</i>	
Name	Terminal name, short name for labeling purposes
Company	Terminal company Owner/Operator
TYPE	Type of terminal (Terminal, Truck Facility, Storage Facility/Tank Farm)

Petroleum Administration for Defense Districts (CRD_PRD_PADD)

PADD	District number in Roman Numerals
------	-----------------------------------

U.S. Refining Districts (CRD_PRD_DISTR)

<i>U.S. Refining Districts (CRD_PRD_DISTR)</i>	
Districts	District name (Appalachian, East Coast, Indiana-Illinois-Kentucky, Louisiana Gulf Coast, Minnesota-Wisconsin-N. and S. Dakota, N. Louisiana-Arkansas, New Mexico, Oklahoma-Kansas-Missouri, Rocky Mountain, Texas Gulf Coast, Texas Inland, West Coast)

Top Producing Oil Fields (CRD_PRD_OILFIELDS)

<i>Top Producing Oil Fields (CRD_PRD_OILFIELDS)</i>	
Name	Field name
Type	Producing Commodity

DATASET – Other Liquids

Pipelines (OTH_PIPE)

<i>Pipelines (OTH_PIPE)</i>	
NAME	Pipeline short name for labeling purposes
MAP_LABEL	Pipeline short name for labeling purposes
OPERATOR	Full Pipeline Operator Name
OWNER	Pipeline Owner Name
SYS_NAME	Name of the pipeline system
DIAMETER	Diameter of pipe (If available) in inches
SYS_TYPE	Pipeline designation type (Transmission)
INTERSTATE	If pipeline is an Interstate pipeline (Y) or not (N)
RATE_ZONE	Not applicable
OPER_STAT	Pipeline Operational Status (Operational, Under Development, Abandoned)
FERC_CODE	Not applicable
STATE	State that this particular segment/pipe resides
FIPS	State/County FIPS that this particular segment/pipe resides
COMMODITY	Pipeline Commodity (HVL, LPG, NGL)
RQCHECK	Rextag Quality Check; Internal Use Only
NOTES	Specific Notes relating to the pipeline
GIS_ZONE	Rextag's GIS Zone name (Visit www.rextagstrategies.com for more information)

Pump Stations (OTH_PUMP)

<i>Pump Stations (OTH_PUMP)</i>	
NAME	Pump Station name
OWNER	Pump Station company Owner/Operator
COMMODITY	Associated pipeline producing commodity

Processing Plants (NG_PRPLANT)

See the Natural Gas Dataset

DATASET – CO₂

Pipelines (CO₂_PIPE)

<i>Pipelines (CO₂_PIPE)</i>	
NAME	Pipeline short name for labeling purposes
MAP_LABEL	Pipeline short name for labeling purposes
OPERATOR	Full Pipeline Operator Name
OWNER	Pipeline Owner Name
SYS_NAME	Name of the pipeline system
DIAMETER	Diameter of pipe (If available) in inches
SYS_TYPE	Pipeline designation type (Transmission)
INTERSTATE	If pipeline is an Interstate pipeline (Y) or not (N)
RATE_ZONE	Not applicable
OPER_STAT	Pipeline Operational Status (Operational, Under Development, Abandoned)
FERC_CODE	Not applicable
STATE	State that this particular segment/pipe resides
FIPS	State/County FIPS that this particular segment/pipe resides
COMMODITY	State/County FIPS that this particular segment/pipe resides
RQCHECK	Rextag Quality Check; Internal Use Only
NOTES	Specific Notes relating to the pipeline
GIS_ZONE	Rextag's GIS Zone name (Visit www.rextagstrategies.com for more information)

DATASET – Electricity

Transmission Lines (ELECT_TRANS)

<i>Transmission Lines (ELECT_TRANS)</i>	
NAME	Transmission Line name/owner for labeling purposes
KV	Kilovolts of power of transmission line
Company	Company Owner/Operator
CompanyAbb	Company Owner/Operator short name

Power Plants (PWRPLANTS)

<i>Power Plants (PWRPLANTS)</i>	
PLNTNAME	Power plant full name
UT_NAME	Power plant's utility name
PLNTCOD	Energy Information Administration Plant code
TOTALGEN	Total power generation in Megawatts (MW)
PRIM_FUEL	Boiler primary fuel source (BFG—Blast Furnace Gas, BIT—Anthracite and Bituminous Coal, DFO—Distillate Fuel Oil, LFG—Landfill Gas, MSW—Municipal Solid Waste, NG—Natural Gas, OBG—Other Biomass Gasses, OBS—Other Biomass Solids, PC—Petroleum Coke, RFO—Residual Fuel, SUB—Subbituminous Coal, WC—Waste/Other Coal, WDS—Wood/Wood Waste Solids, WO—Oil and Other Waste)
PNTSTACD	Power Plant Status (A, P, R)
PLNTTYPE	Power Plant Type (U “Utility”, O “non Utility”)
USED_BFG	Blast Furnace Gas consumed in thousand cubic feet
USED_BIT	Anthracite Coal, Bituminous Coal consumed to the nearest thousand tons
USED_DFO	Distillate Fuel Oil consumed in thousand barrels
USED_LFG	Landfill Gas consumed to the nearest thousand tons
USED_MSW	Municipal Solid Waste consumed to the nearest thousand tons
USED_NG	Natural Gas consumed in thousand cubic feet
USED_OBG	Other Biomass Gasses consumed in thousand cubic feet
USED_OBL	Other Biomass Liquids consumed in thousand barrels
USED_OBS	Other Biomass Solids consumed to the nearest thousand tons
USED_PC	Petroleum Coke consumed in thousand barrels
USED_RFO	Residual Fuel Oil consumed in thousand barrels
USED_SUB	Subbituminous Coal consumed to the nearest thousand tons
USED_WC	Waste/Other Coal consumed to the nearest thousand tons
USED_WDS	Wood/Wood Waste Solids consumed to the nearest thousand tons
USED_WO	Oil and Other Waste consumed in thousand barrels
GEN01ID	Generator Identification
GEN01NMRTG	Maximum generator nameplate rating in Megawatts
GEN01TTL	Total net electrical generation – Annual
GEN02ID	Generator Identification

<i>Power Plants (PWRPLANTS)</i>	
GEN02NMRTG	Maximum generator nameplate rating in Megawatts
GEN02TTL	Total net electrical generation – Annual
GEN03ID	Generator Identification
GEN03NMRTG	Maximum generator nameplate rating in Megawatts
GEN03TTL	Total net electrical generation – Annual
GEN04ID	Generator Identification
GEN04NMRTG	Maximum generator nameplate rating in Megawatts
GEN04TTL	Total net electrical generation – Annual
GEN05ID	Generator Identification
GEN05NMRTG	Maximum generator nameplate rating in Megawatts
GEN05TTL	Total net electrical generation – Annual
GEN06ID	Generator Identification
GEN06NMRTG	Maximum generator nameplate rating in Megawatts
GEN06TTL	Total net electrical generation – Annual
GEN07ID	Generator Identification
GEN07NMRTG	Maximum generator nameplate rating in Megawatts
GEN07TTL	Total net electrical generation – Annual
GEN08ID	Generator Identification
GEN08NMRTG	Maximum generator nameplate rating in Megawatts
GEN08TTL	Total net electrical generation – Annual
GEN09ID	Generator Identification
GEN09NMRTG	Maximum generator nameplate rating in Megawatts
GEN09TTL	Total net electrical generation – Annual
GEN_OTHER	Other Generators Data
UT_CODE	Utility code
YEAROFDATA	Data Year
PLNT_LONG	Longitude
PLNT_LAT	Latitude
UTSTRADD	Utility mailing address
UTCITY	Utility mailing city
UTSTATE	Utility mailing state
UTZIP5	Utility mailing zip code 5
UTZIP4	Utility mailing zip code 4
PLNTSTA	Power Plant facility state location
PLNTCNTY	Power Plant facility county location
PSTOFFICE	Nearest post office to facility
POZIP5	Nearest post office zip code 5
POZIP4	Nearest post office zip code 4

DATASET – Oil and Gas Wells

Wells (OG_WELLS)

<i>Wells (OG_WELLS)</i>	
WELL_API	API number
ST	State API code
CNTY_CDE	County code
WELL_UNIQ	Unique well identifier
SDE_TRACK	Sidetrack code
OPERATIONS	Drilling operations code
ST_FIPS	Sate FIPS code
WELL_NAME	Well name
OPERATOR	Well operator company name
TYPE	Well type code
STATUS	Well status code
TOWN	Township number
TOWN_D	Township direction
RNGE	Range number
RNGE_D	Range direction
SECT	Section
PERMIT	Well drilling permit number
FIELD	Oil/Gas field name
RESERVOIR	Oil/Gas reservoir name
FORMATION	Oil/Gas formation name
SPUD_DATE	Spud date, date of initial drilling
COMPL_DATE	Completion date, date a well is fitted for production
PERM_DATE	Permit date, date a well is permitted for drilling
PROD_DATE	Production date, date a well begins production
TD_PROPOSE	Well depth proposed by the operator, units in feet unless stated otherwise
TD_ACTUAL	Measured total well depth, units in feet unless stated otherwise
PBTD	Total plug back depth, units in feet unless stated otherwise
GL_ELEV	Ground level elevation, units in feet unless stated otherwise
KB_ELEV	Kelly Bushing's elevation, units in feet unless stated otherwise
DF_ELEV	Derrick floor elevation, units in feet unless stated otherwise

DATASET – Public Land Survey System

PLSS - Townships and Ranges (PLSS_TWN)

<i>Public Land Survey System (PLSS_TWN)</i>	
LNDKEY	Combination of State + Principal Meridian + Range
STATE	State abbreviation
PRIMER	Principal meridian
TOWN	Township number
TOWNFRT	Township fraction
TOWNDIR	Township direction
RANGE	Range number
RNGDIR	Range direction
RNGFRT	Range fraction
LABEL	Township/Range label
DATA	Data source, BLM or alternative

PLSS - Townships, Ranges, and Sections (PLSS_SEC)

<i>Public Land Survey System (PLSS_SEC)</i>	
Indkey	Combination of State + Principal Meridian + Range
sectn	Section number
secfrt	Section fraction
sectionkey	Section number
label	Section label
mtrs	Link key + section key
data	Data source, BLM or alternative
state	State abbreviation
primer	Principal meridian
town	Township number
townfrt	Township fraction
towndir	Township direction
range	Range number
rngfrt	Range fraction
rngdir	Range direction

Texas Survey System

<i>Texas Survey System</i>	
ANUM	As defined by the Texas Railroad Commission: Abstract number. The Anum is comprised of the county FIPS code and the abstract number. Assigned to the surveyed parcel by the General Land Office at the time of patenting. If the abstract

Texas Survey System

	number field contains a "?" or is blank, then no abstract number was found.
L1SURNAM	As defined by The Railroad Commission of Texas: Survey name. The name of the original grantee or the name of the company, individual or eleemosynary institution that is common among a formed group of surveys as shown on the General Land Office (GLO) county patent survey map or the GLO State Abstract of Land Titles.
L2BLOCK	As defined by The Railroad Commission of Texas: Block Number. The number or letter used in description of a group of surveys identified as a Block on the GLO map.
L3SURNAM	As defined by The Railroad Commission of Texas: Section number. Further describes an abstracted surveyed parcel. Or, when preceded by "SUR", a surveyed parcel further divided into numbered abstracted areas.
L4SURNAM	As defined by The Railroad Commission of Texas: Sub-Survey name of the grantee when the survey is a part of a larger refined area surveyed by a common party, and is only added if it is shown on the GLO map. A scrap file number corresponding to GLO records may also appear in the field.
L5SFORMF	As defined by The Railroad Commission of Texas: Scrap or mineral file number from the GLO Abstract of Land Titles.

DATASET – Renewables

BioDiesel

Biodiesel Plants (BIODIESEL_PL)

<i>Biodiesel Plants (BIODIESEL_PL)</i>	
STATE	State
BQ	BQ-9000 Certified
COMPANY	Plant Operator
CITY	City
CAPACITY	Plant capacity
VERIFIED	Some verification process was done (x)
FEEDSTOCK	Feedstock or Biodiesel
OPERATING	Date of initial operation
WEBSITE	Operator's website

Oil Seed Processing Plants (OILSEED_PL)

<i>Oil Seed Processing Plants (OILSEED_PL)</i>	
STATE	State
CITY	City
PLANT	Plant operator

Biomass

Available Biomass (BIOMASS)

<i>Available Biomass (BIOMASS)</i>	
NAME	County Name
STATE_NAME	State
STATE_FIPS	State code
CNTY_FIPS	County code
FIPS	Federal Information Processing Standard code
AREA	Feature's area
POP2000	2000 population
crops	Amount of Crop Biomass produced in tons per year
manure	Amount of Manure Biomass produced in tons per year
forest	Amount of Forest Biomass produced in tons per year
primmill	Amount of Primary Mill Residue Biomass produced in tons per year
secmill	Amount of Secondary Mill Residue Biomass produced in tons per year
urban	Amount of Urban Waste Biomass produced in tons per year
landfill	Amount of Landfill Waste Biomass produced in tons per year
WWTF	Amount of Waste Water Treatment Facility Biomass produced in tons per

<i>Available Biomass (BIOMASS)</i>	
	year
SWG	Amount of Supercritical Water Gasification Biomass produced in tons per year
Total	Amount of Total Biomass produced in tons per year

Methane Recovery Candidates

See Landfills subfolder under Renewables Dataset

Landfills

See Landfills subfolder under Renewables Dataset

Electricity

Power Plants

See Electricity Data Set

Power Lines

See Electricity Data Set

Ethanol

Ethanol Biorefineries (ETHANOL)

<i>Ethanol Biorefineries (ETHANOL)</i>	
STATUS	Plant Operational Status (Operational, "Under" Construction)
COMPANY	Plant/Company Name
CITY	City
STATE	State
FEEDSTOCK	Feedstock used by plant
OP_CAP	Operational capacity in millions of gallons per year (mgy)
EX_CAP	Expansion capacity (mgy)
CON_CAP	Under construction capacity (mgy)
Y	Latitude
X	Longitude

Geothermal

Geothermal Plants (GEOTH_PLANTS)

<i>Geothermal Plants (GEOTH_PLANTS)</i>	
OWNER	Plant Owner
GEOFIELD	Geothermal Field name
NUM_UNIT	Number of units for plant
CAP_NW	Nameplate capacity in Megawatts (MW)
START_YEAR	Year of startup
TYPE	Plant type (Binary, Double Flash, Dry Steam, Dry Steam, Low Pressure, Dual Flash, Hybrid-Biomass/Geothermal, Single Flash, Double Flash_Binary, Dual Flash_Binary)
STATE	State
ZIP_CODE	Zip Code
CONTACT	Contact Person
M_ADDRESS	Mailing Address line 1
M_ADDRESS2	Mailing Address line 2
PHONE	Phone
EMAIL	Email
PLANTNAME	Geothermal Plant name

Potential Geothermal Sites (GEOTH_POTEN)

<i>Potential Geothermal Sites (GEOTH_POTEN)</i>	
NAME	Site name
LAT	Latitude
LONG	Longitude
POP	Nearby Population
DEPTH_M	Typical depth in meters
DEPTH_FT	Typical depth in feet
FLOW_LPM	Flow Rate in liters per minute
FLOW_GPM	Flow Rate in Gallons per minute
TDS_MGPL	Total Dissolved Solids in milligrams per liter
HDD_F	Horizontal Directional Drilling temperature in Fahrenheit
DSGNTEMP_F	Design Temperature in Fahrenheit
CURR_USE	Current site use
WELLS	Number of wells
RES_TEMP_C	Resource Temperature in Celsius
RES_TEMP_F	Resource Temperature in Fahrenheit

Landfills

Methane Recovery Candidates (LANDFILLMETH)

<i>Methane Recovery Candidates (LANDFILLMETH)</i>	
PROJECT_ID	Landfill Methane Outreach Program (LMOP) Project ID
LANDFILL_I	LMOP Landfill ID
EXPANSION_	LMOP Expansion ID
LMOP_TERRI	LMOP Territory
LANDFILL_N	Landfill name
LANDFILL_C	Landfill city
LANDFILL_2	Landfill County
STATE	State
WASTE_IN_P	Waste in place in tons
YEAR_LANDF	Year landfill opened
LANDFILL_3	Landfill closure year
LANDFILL_O	Landfill owner organization
PROJECT_ST	Project status (Candidate, Construction, Operational, Potential, Shutdown)
PROJECT_S2	Project start date
PROJECT_SH	Project shutdown date
PROJECT_DE	Project developer organization
LFGE_UTILI	Landfill Gas Energy (LFGE) Utilization type (Direct-Use vs Electricity)
LFTE_PROJE	LFGE Project type
MW_CAPACIT	Molecular weight capacity
LFG_FLOW_T	LFG flow to project in million standard cubic feet per day (mmscfd)
EMISSION_R	Emissions Reductions in million metric tons of carbon dioxide equivalents per year (MMTCO2E/yr)
BG_LAT	Latitude
BG_LONG	Longitude

Landfills (LANDFILLS)

<i>Landfills (LANDFILLS)</i>	
FACILITYNA	Landfill facility name
LATITUDE	Latitude
LONGITUDE	Longitude
LOCATIONAD	Landfill address
CITY	City
STATE	State
ZIPCODE	Zip code
STATECOUNT	Federal Information Processing Standard code
SITEID	Landfill Identification
STATE_FIPS	State mailing address
COUNTY_FIP	County

Wind

Wind Density (WIND_DENSITY)

(Wind strength by color)

<i>Wind Density (WIND_DENSITY)</i>	
10_DEN_WM2	10 meter wind power density in watts per square meter (W/m2)
10_SPD_MS	10 meter wind speed in miles per second (m/s)
10_SPD_MPH	10 meter wind speed in mile per hour (mph)
50_DEN_WM2	50 meter wind power density (W/m2)
50_SPD_MS	50 meter wind speed (m/s)
50_SPD_MPH	50 meter wind speed (mph)
WP_CLASS	Wind power class (Each wind power class should span two power densities. For example, Wind Power Class = 3 represents the Wind Power Density range between 150 W/m2 and 200 W/m2.)

Wind Farms (WIND_FARMS)

<i>Wind Farms (WIND_FARMS)</i>	
NAME	Name of wind power farm complex
DES_CAP	Design capacity of wind farm
PEAK_MW	Peak generating power capacity in megawatts (MW)
START_DATE	Date wind farm in service
OPERATOR	Wind farm operator name
GW_PER_H	Gigawatts per hour
STATE	State
COUNTY	County
POWER_CON	Power lines company to which the wind farm interconnects
LAT	Latitude
LONG	Longitude
OWNER	Wind farm owner name

Wind Turbines (WIND_TURBINES)

Under Development—Coming Soon

Commodity Descriptions

Commodity	Commodity Description
Crude (CRD)	<ul style="list-style-type: none"> ➤ Crude Oil <ul style="list-style-type: none"> • O/G • Oil • Petroleum
Refined Products (PRD)	<ul style="list-style-type: none"> ➤ Acetylene ➤ Acetylene Off Gas ➤ Alcohols ➤ Anhydrous HCL ➤ Benzenes ➤ Brine ➤ Chlorine Gas ➤ Cyclohexane ➤ Diesels ➤ Ethylene (Gas) ➤ Fuel Oil <ul style="list-style-type: none"> • <i>Bistone</i> • <i>Fuel Gas</i> • <i>Fuel Oil/Natural Gas</i> • <i>Fuel Oils/Gas</i> • <i>Fuel Residum</i> ➤ Gasoline <ul style="list-style-type: none"> • <i>Gasoline/Diesel/Jet</i> • <i>Gasoline/Fuel Oils</i> • <i>High Purity Ethane</i> • <i>Hydrogen Chloride</i> ➤ Jet Fuel ➤ Kerosene ➤ Methanol/MTBE ➤ MTBE ➤ Nitrogen ➤ Oxygen ➤ Propylene Oxide
Carbon Dioxide (CO2)	<ul style="list-style-type: none"> ➤ Carbon Dioxide
High Volatile Liquids (HVL)*	<ul style="list-style-type: none"> ➤ Butanes <ul style="list-style-type: none"> • <i>Butadiene</i> • <i>Butane/Butylenes</i> • <i>Butane/Distillates</i> • <i>Butane/Pentane</i> • <i>Butylenes</i> • <i>Iso-Butane</i> • <i>Isobutene</i> ➤ Chemical Grade Propylene

	<ul style="list-style-type: none"> ➤ Dripolene ➤ Ethanes ➤ Ethylene ➤ Feedstock ➤ Isobutane ➤ Pentanes ➤ Propane <ul style="list-style-type: none"> • <i>Methyl Propane</i> • <i>Propadiene</i> • <i>Propane/Butane</i> • <i>Propane/LPG</i> • <i>Propane/Propylene</i> • <i>Propyne</i> ➤ Propylene
Liquid Petroleum Gas (LPG)*	<ul style="list-style-type: none"> ➤ E/P Mix <ul style="list-style-type: none"> • <i>E/P Propane</i> • <i>Ethane/Propane</i> • <i>Ethane/Propane Mix</i> • <i>P/P Mix</i> • <i>EPBC</i> ➤ Raw LPG
Natural Gas Liquid (NGL)*	<ul style="list-style-type: none"> ➤ Condensate <ul style="list-style-type: none"> • <i>Slop Oil Water</i> ➤ Natural Gas Liquids—Refinery Off Gas

*Other Liquids Dataset

**San Diego Headquarters:**

Hart Energy Mapping & Data Services
2333 1st Avenue, Suite 106
San Diego, CA 92101
Direct: (858) 609-7160
Toll Free (866) 693-0623

Houston Local Office:

Hart Energy Mapping & Data Services
1616 S. Voss Road, Suite 1000
Houston, TX 77057-2627 USA
Direct: (713) 260-6400