

Form EIA-860, "Annual Electric Generator Report," - Company File

FIELD NAME

UTILCODE
UTILNAME
ATTN
ADDRESS2
ADDRESS3
CITY
STATE
ZIPCODE
EXTZIP
CONT1NME1
CONT1NME2
CONTTITLE
AREACODE
PHNEXCH
PHNNUM
PHNEXT
CONT2NME1
CONT2NME2
CONTTITLE2
AREACDE2
PHNEXCH2
PHNNUM2
PHNEXT2

OWNERTYPE

**Note:For further explanation, access instructions to Form EIA-860,
<http://www.eia.doe.gov/cneaf/electricity/page/forms.html>**

UTILITY05.XLS

DEFINITION

Company Code
Company Name
Address Attention Line
Address
Address
City Name
State Abbreviation
Zip Code
Zip Code (extension)
Contact Name 1 (First/Middle)
Contact Name 1
Contact Name 1 (title)
Contact Name 1 (phone number area code)
Contact Name 1 (phone number exchange)
Contact Name 1 (phone number)
Contact Name 1 (phone extension)
Contact Name 2 (First/Middle)
Contact Name 2
Contact Name 2 (title)
Contact Name 2 (phone number area code)
Contact Name 2 (phone number exchange)
Contact Name 2 (phone number)
Contact Name 2 (phone extension)

Class of Ownership, if Regulated

DESCRIPTION

Operator/Owner EIA-assigned Code

C = Cooperative, F = Federal, I = Investor Owned,
M = Municipal, S = State, O = Other

Form EIA-860, "Annual Electric Generator Report," - Plant File

PLANTY05.XLS

FIELD NAME	DEFINITION	DESCRIPTION
UTILCODE	Company Code	Operator-Owner EIA-assigned Code
PLNTCODE	Plant Code	Plant Site EIA-assigned Code
PLNTNAME	Plant Name	
CNTYNAME	County Name	
STATE	Plant State	
PLNTZIP	Plant Zip Code	
WATSOURCE	Water Source	Source of Water for Cooling and Hydroelectric Purposes
NERC	NERC Region	
NAICS	North American Industry Classification System	Primary Purpose of Plant (See below) For Unregulated Company, the Electric Utility
SERVAREA	Service Area	with which plant is interconnected

Note:For further explanation, access instructions to Form EIA-860, <http://www.eia.doe.gov/cneaf/electricity/page/forms.html>

NAICS Codes

111	AGRICULTURE, FORESTRY, AND FISHING	336	Transportation equipment
112	Agriculture production - crops	3345	Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
115	Agriculture production, livestock and animal specialties	339	Miscellaneous manufacturing industries
113	Agricultural services		
114	Forestry		
	Fishing, hunting, and trapping	482	TRANSPORTATION AND PUBLIC UTILITIES
		485	Railroad transportation
2122	MINING	484	Local and suburban transit and interurban highway passenger transport
2121	Metal mining	491	Motor freight transportation and warehousing
211	Coal mining	491	United States Postal Service
2123	Oil and gas extraction	483	Water transportation
	Mining and quarrying of nonmetallic minerals except fuels	481	Transportation by air
		486	Pipelines, except natural gas
		487	Transportation services
23	CONSTRUCTION	513	Communications
		22	Electric, gas, and sanitary services
		2212	Natural gas transmission
311	MANUFACTURING	2213	Water supply
3122	Food and kindred products	22132	Sewerage systems
314	Tobacco products	562212	Refuse systems
315	Textile and mill products	22131	Irrigation systems
	Apparel and other finished products made from fabrics and similar materials		
321	Lumber and wood products, except furniture	421 to 422	WHOLESALE TRADE
337	Furniture and fixtures	441 to 454	RETAIL TRADE
322	Paper and allied products (other than 322122 or 32213)		
322122	Paper mills, except building paper	521 to 533	FINANCE, INSURANCE, AND REAL ESTATE
32213	Paperboard mills		
323	Printing and publishing		
325	Chemicals and allied products (other than 325188, 325211, 32512, or 325311)	721	SERVICES
325188	Industrial inorganic chemicals	812	Hotels
325211	Plastic materials and resins	514	Personal services
32512	Industrial organic chemicals	8111	Business services
325311	Nitrogenous fertilizers	811	Automotive repair, services, and parking
			Miscellaneous repair services

324	Petroleum refining and related industries (other than 32411)
32411	Petroleum refining
326	Rubber and miscellaneous plastic products
316	Leather and leather products
327	Stone, clay, glass, and concrete products (other than 32731)
32731	Cement, hydraulic
331	Primary metal industries (other than 331111 or 331312)
331111	Blast furnaces and steel mills
331312	Primary aluminum
332	Fabricated metal products, except machinery and transportation equipment
333	Industrial and commercial equipment and components except computer equipment
335	Electronic and other electrical equipment and components except computer equipment

512	Motion pictures
713	Amusement and recreation services
622	Health services
541	Legal services
611	Education services
624	Social services
712	Museums, art galleries, and botanical and zoological gardens
813	Membership organizations
561	Engineering, accounting, research, management, and related services
814	Private households
514199	Miscellaneous services

92 **PUBLIC ADMINISTRATION**

OTHER (explain): _____

Form EIA-860, "Annual Electric Generator Report," - Generator (Existing) File GENY05.XLS

This file includes all existing and retired generators. It does not include all generators that were retired prior to 2001.

FIELD NAME	DEFINITION	DESCRIPTION
UTILNAME	Company Name	
PLNTNAME	Plant Name	
STATE	State	State that generator is located
UTILCODE	Company Code	Operator/Owner EIA-assigned Code
PLNTCODE	Plant Code	Plant Site EIA-assigned Code
GENCODE	Generator Code (ID)	Generator Identification number
PRIMEMOVER	Generator Unit Type	See List Below
		Indicator for Grouped Generators for purpose of reporting aggregate summer and winter capacities
UNIT_CODE	Multi-Generator Code (Unit Code)	S = Wholly owned by Respondent, J = Jointly Owned, W = Wholly Owned by entity other than Respondent
OWNER	Ownership Type	Respondent
OWNED_BY_NU	Is any part of generator owned by a nonutility	Y=Yes, N=No
DELIVER_POWER_TRANSGRID	Deliver Power to the Grid	Y=Yes, N=No
NAMEPLATE	Nameplate Capacity	Megawatts
SUMMCAP	Summer Capacity	Megawatts
WINTCAP	Winter Capacity	Megawatts
		Summer Capacity EIA Estimate? Y = Yes; otherwise No
SUMCAPFLG	Summer Capacity Flag	Winter Capacity EIA Estimate? Y = Yes otherwise No
		based on nameplate and power factor ratings only.
WINTCAPFLG	Winter Capacity Flag	See List Below.
REACTIVE_POWER_OUTPUT STATUS	Reactive Power Output (MVARs) Status	See List Below.
	If generator is BU or SB status, can it be synchronized to the grid	Y=Yes, N=No
SYNCHRONIAED_GRID		
INSMONTH	In-Service Month	Month of Initial Commercial Operation
INSVYEAR	In-Service Year	Year of Initial Commercial Operation
RETIREMNTNTH	Retirement Month	Month Generator Retired
RETIREYEAR	Retirement Year	Year Generator Retired
COGEN	Cogeneration Function?	Y = Yes, N = No
DISTGEN	Distributed Generation?	Y = Yes, N = No
	Is generator part of a solid fuel gasifications system	Y = Yes, N = No
SFG_SYSTEM		Energy Sources listed in order by predominance (BTUs) of Use; Energy Source 1 is greatest; See List Below.
ENERGY_SOURCE_1	Energy Source 1	
	Primary Mode of Transportaion for Energy Source 1	Mode of Transportation for Energy Source 1 See List Below.
ES1TRANS_1		
	Secondary Mode of Transportaion for Energy Source 1	Mode of Transportation for Energy Source 1 See List Below.
ES1TRANS_2		
	Third Mode of Transportaion for Energy Source 1	Mode of Transportation for Energy Source 1 See List Below.
ES1TRANS_3		
	Second Energy Source in Order of Predominance of Use	
ENERGY_SOURCE_2	Energy Source 2	
	Primary Mode of Transportaion for Energy Source 2	Mode of Transportation for Energy Source 2 See List Below.
ES2TRANS_1		
	Secondary Mode of Transportaion for Energy Source 2	Mode of Transportation for Energy Source 2 See List Below.
ES2TRANS_2		
	Third Mode of Transportaion for Energy Source 2	Mode of Transportation for Energy Source 2 See List Below.
ES2TRANS_3		
	Third Energy Source in Order of Predominance of Use	
ENERGY_SOURCE_3	Energy Source 3	
	Fourth Energy Source in Order of Predominance of Use	
ENERGY_SOURCE_4	Energy Source 4	
	Fifth Energy Source in Order of Predominance of Use	
ENERGY_SOURCE_5	Energy Source 5	
	Sixth Energy Source in Order of Predominance of Use	
ENERGY_SOURCE_6	Energy Source 6	
WINDTURBINES	Wind Turbines	Number of Wind Turbines
FERCCOGEN	FERC Cogenerator Status?	Y = Yes, N = No
FERCDOC	FERC Cogenerator Docket Number	
FERCQCOGEN	FERC Qualifying Cogenerator?	Y = Yes, N = No
	FERC Qualifying Cogenerator Docket Number	
FERCQFDOC		
	FERC Qualifying Small Power Producer?	Y = Yes, N = No
FERCSPP		
	FERC Qualifying Small Power Producer Docket Number	
FERCSPPDOC		
FERCEWG	FERC Exempt Wholesale Generator?	Y = Yes, N = No
	FERC Exempt Wholesale Generator Docket Number	
FERCEWGDOC		

<u>Prime Mover Code</u>	<u>Prime Mover Description</u>
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (includes jet engine design)
IC	Internal Combustion Engine (diesel, piston)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part
CS	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)
CC	Combined Cycle - Total Unit
HY	Hydraulic Turbine (includes turbines associated with delivery of water by pipeline)
PS	Hydraulic Turbine - Reversible (pumped storage)
BT	Turbines used in a binary cycle such as geothermal
PV	Photovoltaic
WT	Wind Turbine
CE	Compressed Air Energy Storage
FC	Fuel Cell
OT	Other
NA	Unknown at this time (use only for plants/generators in planning stage)

<u>Energy Source Code</u>	<u>Energy Source Description</u>
BIT	(Anthracite Coal, Bituminous Coal)
LIG	Lignite Coal
SUB	Subbituminous Coal
WC	Waste/Other Coal (Anthracite Culm, Bituminous Gob, Fine Coal, Lignite Waste, Waste Coal)
SC	Coal-based Synfuel and include briquettes, pellets, or extrusions, which are formed by binding materials and processes that recycle material
DFO	Distillate Fuel Oil (includes all Diesel and No. 1, No. 2, and No. 4 Fuel Oils)
JF	Jet Fuel
KER	Kerosene
RFO	Residual Fuel Oil (includes No. 5 and No. 6 Fuel Oils and Bunker C Fuel Oil)
WO	Oil-Other and Waste Oil (Butane (Liquid), Crude Oil, Liquid Byproducts, Oil Waste, Propane (Liquid), Re-refined)
PC	Petroleum Coke
NG	Natural Gas
BFG	Blast Furnace Gas
OG	Other Gas (Butane, Coal Processes, Coke-Oven, Refinery, and other processes)
PG	Propane
NUC	Nuclear (Uranium, Plutonium, Thorium)
AB	Agriculture Crop Byproducts/Straw/Energy Crops
BLQ	Black Liquor
GEO	Geothermal
LFG	Landfill Gas
MSW	Municipal Solid Waste
OBS	Other Biomass Solid (Animal Manure and Waste, Solid Byproducts, and other solid biomass not specified)
OBL	Other Biomass Liquid (Ethanol, Fish Oil, Liquid Acetonitrile Waste, Medical Waste, Tall Oil, Waste Alcohol, and other Biomass not specified)
OBG	Other Biomass Gases (Digester Gas, Methane, and other biomass gases)
OTH	Other (Batteries, Chemicals, Coke Breeze, Hydrogen, Pitch, Sulfur, Tar Coal, and miscellaneous technologies)
PUR	Purchased Steam
SLW	Sludge Waste
SUN	Solar (Photovoltaic, Thermal)
TDF	Tires
WAT	Water (Conventional, Pumped Storage)
WDS	Wood/Wood Waste Solids (Paper Pellets, Railroad Ties, Utility Poles, Wood Chips, and other wood solids)
WDL	Wood Waste Liquids (Red Liquor, Sludge Wood, Spent Sulfite Liquor, and other wood related liquids not)
WND	Wind
NA	Not Available

<u>Plant Status Codes</u>	
OP	Operating - in service and producing some electricity.
BU	Backup-used for test purposes or emergency such as shortage to power to meet load requirements
SB	Standby - available for service but not normally used (has little or no generation during the year).
OS	Out of Service - Units that could not be used for the reporting year, but are expected to be returned to service in the future.
RE	Retired - no longer in service and not expected to be returned to service.

<u>Mode of Transportation Code</u>	<u>Mode of Transportation Description</u>
CV	Conveyer
PL	Pipeline
RR	Railroad
TK	Truck
WA	Water
UN	Unknown at this time.

Note:For further explanation, access instructions to Form EIA-860, <http://www.eia.doe.gov/cneaf/elec/tricity/page/forms.html>

Form EIA-860, "Annual Electric Generator Report," - MultiFuel Data For Existing Generators MFEXISTY05.XLS

This file only includes only existing generators that are capable of using multiple fuels.

FIELD NAME	DEFINITION	DESCRIPTION
UTILNAME	Company Name	
PLNTNAME	Plant Name	
UTILCODE	Company Code	Operator/Owner EIA-assigned Code
PLNTCODE	Plant Code	Plant Site EIA-assigned Code
STATE	State	State that generator is located
GENCODE	Generator Code (ID)	Generator Identification
PRIMEMOVER	Generator Unit Type	See List Below
MULTIPLE_FUELS	Ability to use multiple fuels	Y=Yes, N=No
COFIRE_FUELS	Can the unit co-fire fuels	Y=Yes, N=No
COFIRE_ENERGY_SOURCE_1	Energy Source option for co-firing	See energy source list below
COFIRE_ENERGY_SOURCE_2	Energy Source option for co-firing	See energy source list below
COFIRE_ENERGY_SOURCE_3	Energy Source option for co-firing	See energy source list below
COFIRE_ENERGY_SOURCE_4	Energy Source option for co-firing	See energy source list below
COFIRE_ENERGY_SOURCE_5	Energy Source option for co-firing	See energy source list below
COFIRE_ENERGY_SOURCE_6	Energy Source option for co-firing	See energy source list below
COFIRE_OIL_GAS	Can unit co-fire oil with natural gas	Y=Yes, N=No
COFIRE_100_OIL	Can unit run on 100 percent oil	Y=Yes, N=No
MAX_OIL_HEAT	maximum oil heat input (percent of mmbtus) when co-firing with NG	oil input as a percent of total Btu input.
MAX_OIL_OUTPUT	maximum output (net MW) achievable, when making maximum use of oil and co-firing NG	maximum output in MW.
FUEL_SWITCH	Can the unit fuel switch	Y=Yes, N=No
FUEL_SWITCH_OIL_GAS	Can unit switch between oil and gas	Y=Yes, N=No
NET_SUMMER_CAPACITY_NG	Net Summer MW achievable when running on Natural Gas	Megawatts
NET_SUMMER_CAPACITY_OIL	Net Summer MW achievable when running on fuel oil	Megawatts
TIME_TO_SWITCH	Time required to switch unit from using 100 percent natural gas to 100 percent oil.	See List Below
REGULATORY_LIMITS	Do regulations limit the operation (hours or megawatts produced) of this unit when running on 100 percent oil	Y=Yes, N=No
FUEL_SWITCH_ENERGY_SOURCE_1	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below
FUEL_SWITCH_ENERGY_SOURCE_2	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below
FUEL_SWITCH_ENERGY_SOURCE_3	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below
FUEL_SWITCH_ENERGY_SOURCE_4	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below
FUEL_SWITCH_ENERGY_SOURCE_5	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below
FUEL_SWITCH_ENERGY_SOURCE_6	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below

Prime Mover Code

Prime Mover Description

ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (includes jet engine design)
IC	Internal Combustion Engine (diesel, piston)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part
CS	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)
CC	Combined Cycle - Total Unit
HY	Hydraulic Turbine (includes turbines associated with delivery of water by pipeline)
PS	Hydraulic Turbine - Reversible (pumped storage)
BT	Turbines used in a binary cycle such as geothermal
PV	Photovoltaic
WT	Wind Turbine
CE	Compressed Air Energy Storage
FC	Fuel Cell
OT	Other
NA	Unknown at this time (use only for plants/generators in planning stage)

Energy Source Code

Energy Source Description

BIT	(Anthracite Coal, Bituminous Coal)
LIG	Lignite Coal
SUB	Subbituminous Coal
WC	Waste/Other Coal (Anthracite Culm, Bituminous Gob, Fine Coal, Lignite Waste, Waste Coal)
SC	Coal-based Syngas and include briquettes, pellets, or extrusions, which are formed by binding materials and processes that recycle material
DFO	Distillate Fuel Oil (includes all Diesel and No. 1, No. 2, and No. 4 Fuel Oils)
JF	Jet Fuel

KER	Kerosene
RFO	Residual Fuel Oil (includes No. 5 and No. 6 Fuel Oils and Bunker C Fuel Oil)
	Oil-Other and Waste Oil (Butane (Liquid), Crude Oil, Liquid Byproducts, Oil Waste, Propane (Liquid),
WO	Re-refined
PC	Petroleum Coke
NG	Natural Gas
BFG	Blast Furnace Gas
OG	Other Gas (Butane, Coal Processes, Coke-Oven, Refinery, and other processes)
PG	Propane
NUC	Nuclear (Uranium, Plutonium, Thorium)
AB	Agriculture Crop Byproducts/Straw/Energy Crops
BLQ	Black Liquor
GEO	Geothermal
LFG	Landfill Gas
MSW	Municipal Solid Waste
OBS	Other Biomass Solid (Animal Manure and Waste, Solid Byproducts, and other solid biomass not specified)
OBL	Other Biomass Liquid (Ethanol, Fish Oil, Liquid Acetonitrile Waste, Medical Waste, Tall Oil, Waste Alcohol, and other Biomass not specified)
OBG	Other Biomass Gases (Digester Gas, Methane, and other biomass gases)
OTH	Other (Batteries, Chemicals, Coke Breeze, Hydrogen, Pitch, Sulfur, Tar Coal, and miscellaneous technologies)
PUR	Purchased Steam
SLW	Sludge Waste
SUN	Solar (Photovoltaic, Thermal)
TDF	Tires
WAT	Water (Conventional, Pumped Storage)
WDS	Wood/Wood Waste Solids (Paper Pellets, Railroad Ties, Utility Poles, Wood Chips, and other wood solids)
WDL	Wood Waste Liquids (Red Liquor, Sludge Wood, Spent Sulfite Liquor, and other wood related liquids not
WND	Wind
NA	Not Available

Plant Status Codes

OP	Operating - in service and producing some electricity.
BU	Backup-used for test purposes or emergency such as shortage to power to meet load requirements
SB	Standby - available for service but not normally used (has little or no generation during the year).
OS	Out of Service - Units that could not be used for the reporting year, but are expected to be returned to service in the future.
RE	Retired - no longer in service and not expected to be returned to service.

Time To Switch

A = 0 to 6 hours
 B = 6 to 24 hours
 C = 24 to 72 hours
 D = over 72 hours
 E = Unknown

Note:For further explanation, access instructions to Form EIA-860, <http://www.eia.doe.gov/cneaf/electricity/page/forms.html>

This file includes all currently proposed generators as well as previously cancelled generators.

FIELD NAME	DEFINITION	DESCRIPTION
UTILNAME	Company/Entity Name	
PLNTNAME	Plant Name	
UTILCODE	Company Code	Operator/Owner EIA-assigned Code
PLNTCODE	Plant Code	Plant Site EIA-assigned Code
STATE	State	State that generator is located
GENCODE	Generator Code (ID)	Generator Identification
		S = Wholly owned by Respondent, J = Jointly Owned, W = Wholly Owned by entity other than Respondent
OWNER	Ownership Type	
PROPOSED_STATUS	Status	See Attached List.
PRIMEMOVER	Generator Unit Type	See Attached List.
PROPOSED_NAMEPLATE	Nameplate Capacity	Megawatts
PROPOSED_SUMMER_CAPABILITY	Summer Capacity	Megawatts
PROPOSED_WINTER_CAPABILITY	Winter Capacity	Megawatts
		Energy Sources listed in order by predominance (BTUs) of Use; Energy Source 1 is greatest; See List Below.
PROPOSED_ENERGY_SOURCE_1	Energy Source 1	Mode of Transportation for Energy Source 1
PROPOSED_TRANSPORTATION_1A	Mode of Transportation 1	See Attached List.
PROPOSED_TRANSPORTATION_1B	Mode of Transportation 2	Mode of Transportation for Energy Source 1
PROPOSED_TRANSPORTATION_1C	Mode of Transportation 3	See Attached List.
		Second Energy Source in Order of Predominance of Use
PROPOSED_ENERGY_SOURCE_2	Energy Source 2	Mode of Transportation for Energy Source 2
PROPOSED_TRANSPORTATION_2A	Mode of Transportation 1	See Attached List.
PROPOSED_TRANSPORTATION_2B	Mode of Transportation 2	Mode of Transportation for Energy Source 2
PROPOSED_TRANSPORTATION_2C	Mode of Transportation 3	See Attached List.
		Third Energy Source in Order of Predominance of Use
PROPOSED_ENERGY_SOURCE_3	Energy Source 3	
		Fourth Energy Source in Order of Predominance of Use
PROPOSED_ENERGY_SOURCE_4	Energy Source 4	
		Fifth Energy Source in Order of Predominance of Use
PROPOSED_ENERGY_SOURCE_5	Energy Source 5	
		Sixth Energy Source in Order of Predominance of Use
PROPOSED_ENERGY_SOURCE_6	Energy Source 6	
		Indicator for Grouped Generators for purpose of reporting aggregate summer and winter capacities
UNIT_CODE	Multi-Generator Code (Unit Code)	
PROPOSED_COGENERATOR	Cogeneration Function?	Y = Yes, N = No
PROPOSED_DISTGENERATOR	Distributed Generation?	Y = Yes, N = No
		Month Generator Initially Scheduled
ORG_MNTH	Original Month	Year Generator Initially Scheduled
		Month Generator Initially Scheduled
ORG_YEAR	Original Year	Year Generator Initially Scheduled

CURRENT_MONTH	Current Month	Current Month Generator Scheduled to Start Operation
CURRENT_YEAR	Current Year	Current Year Generator Scheduled to Start Operation
PROPOSED_TURBINES	Wind Turbines	Number of Wind Turbines
SUMMER_ESTIMATED_CAPABILITY	Estimated Summer Capacity	EIA estimate of summer capacity - Megawatts
WINTER_ESTIMATED_CAPABILITY	Estimated Winter Capacity	EIA estimate of winter capacity - Megawatts

Proposed Status	Description of status
IP	Planned new generator cancelled, indefinitely postponed.
TS	Construction complete, but not yet commercial
P	Planned for installation but not under construction
L	Regulatory approval pending, not under construction.
T	Regulatory approval received but not under construction.
U	Under construction, less than 50 percent complete
V	Under construction, more than 50 percent complete
OT	Other (described in notes)

Note:For further explanation, access instructions to Form EIA-860, <http://www.eia.doe.gov/cneaf/electricity/page/forms.html>

Form EIA-860, "Annual Electric Generator Report," - MultiFuel Data For Proposed Generators MFPPROPY05.XLS

This file includes only proposed generators that are capable of using multiple fuels.

FIELD NAME	DEFINITION	DESCRIPTION
UTILNAME	Company Name	
PLNTNAME	Plant Name	
UTILCODE	Company Code	Operator/Owner EIA-assigned Code
PLNTCODE	Plant Code	Plant Site EIA-assigned Code
STATE	State	State that generator is located
GENCODE	Generator Code (ID)	Generator Identification
PRIMEMOVER	Generator Unit Type	See List Below
PRO_MULTIPLE_FUELS	Ability to use multiple fuels	Y=Yes
PRO_COFIRE_FUELS	Can the unit co-fire fuels	Y=Yes, N=No
PROP_COFIRE_ENERGY_SOURCE_1	Energy Source option for co-firing	See energy source list below
PROP_COFIRE_ENERGY_SOURCE_2	Energy Source option for co-firing	See energy source list below
PROP_COFIRE_ENERGY_SOURCE_3	Energy Source option for co-firing	See energy source list below
PROP_COFIRE_ENERGY_SOURCE_4	Energy Source option for co-firing	See energy source list below
PROP_COFIRE_ENERGY_SOURCE_5	Energy Source option for co-firing	See energy source list below
PROP_COFIRE_ENERGY_SOURCE_6	Energy Source option for co-firing	See energy source list below
PROP_COFIRE_OIL_GAS	Can unit co-fire oil with natural gas	Y=Yes, N=No
PROP_COFIRE_100_OIL	Can unit run on 100 percent oil	Y=Yes, N=No
PROP_MAX_OIL_HEAT	maximum oil heat input (percent of mmbtus) when co-firing with NG	oil input as a percent of total Btu input.
PROP_MAX_OIL_OUTPUT	maximum output (net MW) achievable, when making maximum use of oil and co-firing NG	maximum output in MW.
PROP_FUEL_SWITCH	Can the unit fuel switch	Y=Yes, N=No
PROP_FUEL_SWITCH_OIL_GAS	Can unit switch between oil and gas	Y=Yes, N=No
PROP_NET_SUMMER_CAPACITY_NG	Net Summer MW achievable when running on Natural Gas	Megawatts
PROP_NET_SUMMER_CAPACITY_OIL	Net Summer MW achievable when running on fuel oil	Megawatts
TIME_TO_SWITCH	Time required to switch unit from using 100 percent natural gas to 100 percent oil.	See List Below
PROP_REGULATORY_LIMITS	Do regulations limit the operation (hours or megawatts produced) of this unit when running on 100 percent oil	Y=Yes, N=No
PROP_FUEL_SWITCH_ENERGY_SOURCE_1	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below
PROP_FUEL_SWITCH_ENERGY_SOURCE_2	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below
PROP_FUEL_SWITCH_ENERGY_SOURCE_3	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below
PROP_FUEL_SWITCH_ENERGY_SOURCE_4	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below
PROP_FUEL_SWITCH_ENERGY_SOURCE_5	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below
PROP_FUEL_SWITCH_ENERGY_SOURCE_6	Energy Source that can be used as a sole source of fuel for this unit.	See Energy source list below

Prime Mover Code

Prime Mover Description

ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (includes jet engine design)
IC	Internal Combustion Engine (diesel, piston)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part
CS	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)
CC	Combined Cycle - Total Unit
HY	Hydraulic Turbine (includes turbines associated with delivery of water by pipeline)
PS	Hydraulic Turbine – Reversible (pumped storage)
BT	Turbines used in a binary cycle such as geothermal
PV	Photovoltaic
WT	Wind Turbine
CE	Compressed Air Energy Storage
FC	Fuel Cell
OT	Other
NA	Unknown at this time (use only for plants/generators in planning stage)

Energy Source Code

Energy Source Description

BIT	(Anthracite Coal, Bituminous Coal)
-----	------------------------------------

LIG	Lignite Coal
SUB	Subbituminous Coal
WC	Waste/Other Coal (Anthracite Culm, Bituminous Gob, Fine Coal, Lignite Waste, Waste Coal)
SC	Coal-based Synfuel and include briquettes, pellets, or extrusions, which are formed by binding materials and processes that recycle material
DFO	Distillate Fuel Oil (includes all Diesel and No. 1, No. 2, and No. 4 Fuel Oils)
JF	Jet Fuel
KER	Kerosene
RFO	Residual Fuel Oil (includes No. 5 and No. 6 Fuel Oils and Bunker C Fuel Oil)
	Oil-Other and Waste Oil (Butane (Liquid), Crude Oil, Liquid
	Byproducts, Oil Waste, Propane (Liquid),
WO	Re-refined
PC	Petroleum Coke
NG	Natural Gas
BFG	Blast Furnace Gas
OG	Other Gas (Butane, Coal Processes, Coke-Oven, Refinery, and other processes)
PG	Propane
NUC	Nuclear (Uranium, Plutonium, Thorium)
AB	Agriculture Crop Byproducts/Straw/Energy Crops
BLQ	Black Liquor
GEO	Geothermal
LFG	Landfill Gas
MSW	Municipal Solid Waste
OBS	Other Biomass Solid (Animal Manure and Waste, Solid Byproducts, and other solid biomass not specified)
OBL	Other Biomass Liquid (Ethanol, Fish Oil, Liquid Acetonitrile Waste, Medical Waste, Tall Oil, Waste Alcohol, and other Biomass not specified)
OBG	Other Biomass Gases (Digester Gas, Methane, and other biomass gases)
OTH	Other (Batteries, Chemicals, Coke Breeze, Hydrogen, Pitch, Sulfur, Tar Coal, and miscellaneous technologies)
PUR	Purchased Steam
SLW	Sludge Waste
SUN	Solar (Photovoltaic, Thermal)
TDF	Tires
WAT	Water (Conventional, Pumped Storage)
WDS	Wood/Wood Waste Solids (Paper Pellets, Railroad Ties, Utility Poles, Wood Chips, and other wood solids)
WDL	Wood Waste Liquids (Red Liquor, Sludge Wood, Spent Sulfite Liquor, and other wood related liquids not
WND	Wind
NA	Not Available

Plant Status Codes

OP	Operating - in service and producing some electricity.
BU	Backup-used for test purposes or emergency such as shortage to power to meet load requirements
SB	Standby - available for service but not normally used (has little or no generation during the year).
OS	Out of Service - Units that could not be used for the reporting year, but are expected to be returned to service in the future.
RE	Retired - no longer in service and not expected to be returned to service.

Time To Switch

A = 0 to 6 hours
B = 6 to 24 hours
C = 24 to 72 hours
D = over 72 hours
E = Unknown

Note:For further explanation, access instructions to Form EIA-860, <http://www.eia.doe.gov/cneaf/electricity/page/forms.html>

Form EIA-860, "Annual Electric Generator Report," - Generator (Proposed Changes to Existing Generators) File PCGENY05.XLS

This file include only generators where the operator has reported PROPOSED changes.

FIELD NAME	DEFINITION	DESCRIPTION
UTILNAME	Company/Entity Name	
PLNTNAME	Plant Name	
STATE	State location of generator	
UTILCODE	Company Code	Operator/Owner EIA-assigned Code
PLNTCODE	Plant Code	Plant Site EIA-assigned Code
GENCODE	Generator Code (ID)	Generator Identification S = Wholly owned by Respondent, J = Jointly Owned, W = Wholly Owned by entity other than Respondent
OWNER	Ownership Type	Respondent
STATUS	Status	See Attached List.
PRIMEMOVER	Generator Unit Type	See Attached List.
NAMEPLATE	Nameplate Capacity	Megawatts
SUMMCAP	Summer Capacity	Megawatts
WINTCAP	Winter Capacity	Megawatts
ENERGY_SOURCE_1	Energy Source 1	Energy Sources listed in order by predominance (BTUs) of Use; Energy Source 1 is greatest; See List Below. Mode of Transportation for Energy Source 1 See Attached List.
OPERATION_TRANSPORTATION_1A	Mode of Transportaion 1	
ENERGY_SOURCE_2	Energy Source 2	Second Energy Source in Order of Predominance of Use Mode of Transportation for Energy Source 2
OPERATION_TRANSPORTATION_2A	Mode of Transportaion 2	
ENERGY_SOURCE_3	Energy Source 3	Third Energy Source in Order of Predominance of Use
ENERGY_SOURCE_4	Energy Source 4	Fourth Energy Source in Order of Predominance of Use
ENERGY_SOURCE_5	Energy Source 5	Fifth Energy Source in Order of Predominance of Use
ENERGY_SOURCE_6	Energy Source 6	Sixth Energy Source in Order of Predominance of Use Indicator for Grouped Generators for purpose of reporting aggregate summer and winter capacities
UNIT_CODE	Unit Code (Multi-Generator Code)	Month Generator
EFFECTIVE_MONTH	Original Month	Initially Scheduled for proposed change Year Generator
EFFECTIVE_YEAR	Original Year	Initially Scheduled for proposed change

CURRENT_MONTH	Current Month	Current Month Generator Scheduled for proposed change Current Year
CURRENT_YEAR	Current Year	Generator Scheduled for proposed change prime mover after completion of
NEWPRIMEMOVER	New prime mover	proposed change

Note:For further explanation, access instructions to Form EIA-860, <http://www.eia.doe.gov/cneaf/electricity/page/forms.html>

Status	Description
FC	Planned for conversion to another fuel
RP	Life extension or repowering
A	generator capability increase
D	generator capability decrease
M	generator placed in deactivated status
RA	generator planned for reactivation
RT	generator schedule for retirement
CO	proposed change in ownership

<u>Prime Mover Code</u>	<u>Prime Mover Description</u>
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (includes jet engine design)
IC	Internal Combustion Engine (diesel, piston)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part
CS	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)
CC	Combined Cycle - Total Unit
HY	Hydraulic Turbine (includes turbines associated with delivery of water by pipeline)
PS	Hydraulic Turbine – Reversible (pumped storage)
PV	Photovoltaic
WT	Wind Turbine
CE	Compressed Air Energy Storage
FC	Fuel Cell
OT	Other
NA	Unknown at this time (use only for plants/generators in planning stage)

<u>Mode of Transportation Code</u>	<u>Mode of Transportation Description</u>
CV	Conveyer
PL	Pipeline
RR	Railroad
TK	Truck
WA	Water
UN	Unknown at this time.

<u>Energy Source Code</u>	<u>Energy Source Description</u>
BIT	(Anthracite Coal, Bituminous Coal)
LIG	Lignite Coal
SUB	Subbituminous Coal
WC	Waste/Other Coal (Anthracite Culm, Bituminous Gob, Fine Coal, Lignite Waste, Waste Coal)
SC	Coal-based Synfuel and include briquettes, pellets, or extrusions, which are formed by binding materials and processes that recycle material
DFO	Distillate Fuel Oil (includes all Diesel and No. 1, No. 2, and No. 4 Fuel Oils)
JF	Jet Fuel
KER	Kerosene
RFO	Residual Fuel Oil (includes No. 5 and No. 6 Fuel Oils and Bunker C Fuel Oil)
WO	Oil-Other and Waste Oil (Butane (Liquid), Crude Oil, Liquid Byproducts, Oil Waste, Propane (Liquid), Re-refined
PC	Petroleum Coke
NG	Natural Gas
BFG	Blast Furnace Gas
OG	Other Gas (Butane, Coal Processes, Coke-Oven, Refinery, and other processes)
PG	Propane

NUC	Nuclear (Uranium, Plutonium, Thorium)
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WDL	Wood Waste Liquids (Red Liquor, Sludge Wood, Spent Sulfite Liquor, and other wood related liquids not
WND	Wind
NA	Not Available

Form EIA-860, "Annual Electric Generator Report," - Ownership File**OWNERY05.XLS**

FIELD NAME	DEFINITION	DESCRIPTION
YEAR	Year	Data Year
UTILCODE	Company Code	Operator/Owner EIA-assigned Code
PLNTCODE	Plant Code	Plant Site EIA-assigned Code
GENCODE	Generator Code (ID)	Generator Identification
OWNER_N	Owner	Name of Owner
OWNERSHIP	Owner Code	
PERCENT_OW	Owner Percent Share	Percent w/explicit decimal point

A generator will appear in this file only if it is a jointly owned generator or is wholly owned by someone other than the operator. If the generator is not in this file, then it is completely owned by the operator. Ownership can be found in column I of the file GENY05.