EPA Base Case v.5.15 Using IPM

Incremental Documentation

August, 2015

1. Introduction

This document describes the updates to the EPA Base Case v.5.15 using Integrated Planning Model (IPM) incremental to the EPA Base Case v.5.13 that was developed by the U.S. Environmental Protection Agency (EPA) with technical support from ICF International, Inc.

This document is a supplemental summary of changes from v.5.13 to v.5.15. For additional information pertaining to all other sections not identified here, please consult the EPA Base Case v.5.13 documentation (see http://www.epa.gov/powersectormodeling/). This document follows the identical nomenclature for EPA Base Case v.5.13 documentation. The revised sections, tables and figures are given below.

For ease of use, this document also differentiates updates in the EPA Base Case v.5.15 relative to EPA Base Case v.5.14 which was released earlier in 2015 (see http://www.epa.gov/powersectormodeling/). Table 1-1 that lists updates in EPA Base Case v.5.15 incremental to EPA Base Case v.5.13 and also differentiates the updates that were already included in EPA Base Case v.5.14.

Base Case v.5.15 is a projection of electricity sector activity that takes into account federal and state air emission laws and regulations whose provisions were either in effect or enacted and clearly delineated at the time the base case was finalized (prior to publication of this documentation), in addition to two non-air federal rules that affect EGUs. Section 3.9 contains a detailed discussion of the environmental regulations included in EPA Base Case v.5.15, which is summarized below.

- EPA Base Case v.5.15 includes the Cross-State Air Pollution Rule (CSAPR), a federal regulatory measure for achieving the 1997 National Ambient Air Quality Standards (NAAQS) for ozone and fine particles.
- EPA Base Case v.5.15 includes current and existing state regulations . A summary of these state regulations can be found in Table 3-13. In addition to these state regulations, the base case includes individual permits issued by states.
- EPA Base Case v.5.15 includes the Mercury and Air Toxics Rule (MATS),[1] which was finalized in 2011. MATS establishes National Emissions Standards for Hazardous Air Pollutants (NESHAPS) for the "electric utility steam generating unit" source category.
- EPA Base Case v.5.15 also reflects the final actions EPA has taken to implement the Regional Haze Rule. This regulation requires states to submit revised State Implementation Plans (SIPs) that include (1) goals for improving visibility in Class I areas on the 20% worst days and allowing no degradation on the 20% best days and (2) assessments and plans for achieving Best Available Retrofit Technology (BART) emission targets for sources placed in operation between 1962 and 1977. Since 2010, EPA has approved SIPs or, in a very few cases, put in place regional haze Federal Implementation Plans for several states. The BART limits approved in these plans (as of August, 2014) that will be in place for EGUs are represented in the EPA Base Case v.5.15.

[1] On June 29, 2015, the U.S. Supreme Court reversed a portion of the U.S. Court of Appeals for the D.C. Circuit (D.C. Circuit) decision upholding the Mercury and Air Toxics Standards (MATS). *Michigan v. EPA, 135 S.Ct. 2699 (2015).*

EPA Base Case v.5.15 also includes two non-air federal rules effecting EGUs: Cooling Water Intakes (316(b)) Rule and Combustion Residuals from Electric Utilities (CCR), both promulgated in 2014.

Table 1-1 lists updates included in EPA Base Case v.5.15 incremental to EPA Base Case v.5.13. Updates that are highlighted in gray were new in EPA Base Case 5.15 incremental to EPA Base Case v.5.14.

Table 1-1 Updates in the EPA Base Case v.5.15 incremental to EPA Base Case v.5.13

Description	For More Information	Change Type	Page Number
Power System Operation			
AEO NEMS region level electricity demand is disaggregated to IPM model region level	Section 3.2	Adding information	4
AEO 2015 Demand Assumptions	Table 3-2, Table 3-3	Update	4,5
CSAPR, 316(b) and CCR (in addition to MATS, BART) are part of Base Case	Section 3.9.3	Update	5
AB 32 Regulation	Section 3.9.4	Update assumption	6
Updated State Power Regulations included in EPA Base Case v.5.15	Table 3-13	Update	40
Updated NSR Settlements included in EPA Base Case v.5.15	Table 3-14	Update	49
Updated State Settlements included in EPA Base Case v.5.15	Table 3-15	Update	70
Updated Citizen Settlements in EPA Base Case v.5.15	Table 3-16	Update	73
Updated Renewable Portfolio Standards and Solar Carve-Outs	Table 3-17	Update	75
Updated BART Regulations included in EPA Base Case v.5.15	Table 3-19	Update	77
Generating Resources			
Cost and Performance Characteristics of Existing Units	Section 4.2.7	Adding Information	7
Updated Data Sources for NEEDS v.5.15	Table 4-1	Update	81
Updated Rules Used in Populating NEEDS v.5.15	Table 4-2	Update	82
Updated Summary Population (Through 2012) of Existing Units in NEEDS v.5.15	Table 4-3	Update	82
Updated the Hierarchy of Data Sources for Capacity in NEEDS v.5.15	Table 4-4	Update	83
Updated Data Sources for Unit Configuration in NEEDS v.5.15	Table 4-6	Update	83
Updated Aggregation Profile of Model Plants	Table 4-7	Update	84
Updated Summary of Planned-Committed Units in NEEDS v.5.15	Table 4-11	Update	87
Updated Planned-Committed Units by Model Region in NEEDS v.5.15	Table 4-12	Update	87
Updated Short-Term Capital Cost Adders for New Power Plants	Table 4-14	Update	10
Updated Performance and Unit Cost Assumptions for Potential (New) Renewable and Non-Conventional Technology Capacity	Table 4-16	Update	11
Updated Representative Wind Generation Profiles	Table 4-20	Update	12
Updated Onshore Reserve Margin Contribution and Average Capacity Factor by Wind Class	Table 4-21	Update	13
Updated Offshore Shallow Reserve Margin Contribution and Average Capacity Factor by Wind Class	Table 4-22	Update	13
Offshore Deep Reserve Margin Contribution and Average Capacity Factor by Wind Class	Table 4-23	Update	13
Updated Representative Solar Generation Profiles	Table 4-28	Update	14
Updated Solar Reserve Margin Contribution and Average Capacity Factor	Table 4-29	Update	15
Updated Nuclear Uprating	Table 4-33	Update	94
Updated Characteristics of Existing Nuclear Units based on NEEDS v.5.15	Table 4-34	Update	94
Updated Capacity not Included based on EIA 860 in NEEDS v.5.15	Table 4-35	Update	98
Updated the Capacity not included due to recent announcements in NEEDS v.5.15	Table 4-36	Update	178

Description	For More Information	Change Type	Page Number
Added Potential New Powered Dams	Table 4-37	Added Information	17
Added Potential New Stream Development	Table 4-38	Added Information	20
Added Information on Variable O&M and Fixed O&M Cost Approach	Section 4.2.7	Added Information	7
Emission Control Technologies			
Added description of CO_2 From FGD and DSI Systems	Section 5.1	Adding Information	21
Retrofit updates to reflect 2014 behavior in 27 units	Section 5.2	Adding Information	21
Natural Gas			
Updated List of Key Pipelines	Table 10-3	Update	23
Updated U.S. and Canada Natural Gas Resources and Reserves	Table 10-4	Update	29
Updated Exploration and Development Assumptions	Table 10-5	Update	30
Updated Resource Cost Curves at the Beginning of Year 2015	Figure 10-7	Update	32
Updated Incremental E&D Cost (BOY 2015) by Percentage of Dry Gas Resource Found	Figure 10-10	Update	33
Updated North American LNG Supply Curves	Figure 10-12	Update	34
Updated North American LNG Regasification Facilities Map	Figure 10-13	Update	35
Updated Examples of Firm Demand Curves by Electric Load Segment	Figure 10-14	Update	35
Updated Examples of Interruptible Demand Curves by Electric Load Segment	Figure 10-15	Update	36
Updated LNG Export Assumptions	Figure 10-16	Update	36
Updated New England Pipeline Corridors in 2020	Figure 10-17	Update	37
Updated Example Pipeline Discount Curve	Figure 10-18	Update	38
Updated Crude Oil and NGL Prices	Figure 10-22	Update	39
Others			
Preventing the Immediate Retirement of Hardwired C2G, Ramping	N/A	Adding Information	22

Section 3.2

Methodology to Downscale AEO 2015 Electricity Demand to EPA v5.15 IPM Regions

Electricity demand projections are input at the model region level in IPM. The 22 NEMS regions level electricity demand from AEO 2015 is downscaled to 64 EPA Base Case v5.15 IPM regions. This downscaling methodology preserves the sub regional demand projections from AEO 2014 and is summarized below.

Step 1: Map the Balancing Authorities/ Planning Areas in the US to the 22 NEMS regions and the 64 IPM regions. The mapping was facilitated by the fact that AEO 2015 adopted the EGRID regions and EPA detailed the constituent utilities within each of the 22 EGRID regions.

Step 2: Use year 2007 Balancing Authority level Net-Energy-for-Load data from 2007 Form 714 dataset and ISO/RTO reports in combination with the mapping developed in Step 1 to develop NEMS-to-IPM region load sharing factors.

Step 3: Apply the NEMS-to-IPM region load sharing factors from Step 2 to AEO 2015 NEMS region level Net-Energy-for-Load projections to estimate the 64 IPM region level demand projections.

Table 3-2 Electric Load Assumptions in EPA Base Case v.5.15

Year	Net Energy for Load (Billions of KWh)
2016	4,051
2018	4,134
2020	4,188
2025	4,328
2030	4,465
2040	4,741
2050	5,036

Notes:

This data is an aggregation of the model-region-specific net energy loads used in the EPA Base Case v.5.15.

Table 3-3 National Non-Coincidental Net Internal Demand in EPA Base Case v.5.15

Year	Peak Demand (GW)	
	Winter	Summer
2016	651	736
2018	663	749
2020	673	762
2025	700	793
2030	730	829
2040	793	907
2050	845	967

Notes:
This data is an aggregation of the model-region-specific peak demand loads used in the EPA Base Case v.5.15.

Section 3.9.3

CSAPR

The Cross-State Air Pollution Rule (CSAPR) requires states to significantly improve air quality by reducing power plant emissions that cross state lines and contribute to ozone and fine particle pollution in other states. CSAPR requires a total of 28 states to reduce annual SO_2 emissions, annual NO_X emissions and/or ozone season NO_X emissions to assist in attaining the 1997 ozone and fine particle and 2006 fine particle National Ambient Air Quality Standards (NAAQS). The timing of CSAPR's implementation has been affected by a number of court actions. On October 23, 2014, the D.C. Circuit granted EPA's request to lift the stay of CSAPR and revise its implementation schedule, following a favorable decision on the rule from the Supreme Court. Accordingly, implementation of Phase 1 of CSAPR began on January 1, 2015, and implementation of Phase 2 is scheduled to begin on January 1, 2017.

In Phase 1, power plants in the affected states have combined annual emissions budgets of approximately 3.47 million tons for SO_2, 1.27 million tons for annual NO_x, and 0.63 million tons for ozone-season NO_x. These emissions caps will tighten in 2017 when Phase 2 of the program begins. The Phase 2 combined annual emissions budgets will be 2.26 million tons for SO_2, 1.2 million tons for annual NO_x, and 0.59 million tons for ozone-season NO_x. The programs' assurance provisions, which restrict the maximum amount of exceedance of an individual state's emissions budget in a given year through the use of banked or traded allowances to 18% or 21% of the state's budget, will also be implemented beginning in Phase 2. For more information on CSAPR, go to http://www.epa.gov/crossstaterule/.

MATS

Finalized in 2011, the Mercury and Air Toxics Rule (MATS) establishes National Emissions Standards for Hazardous Air Pollutants (NESHAPS) for the "electric utility steam generating unit" source category, which includes those units that combust coal or oil for the purpose of generating electricity for sale and distribution through the electric grid to the public. EPA Base Case v.5.15 is identical to EPA Base Case v.5.13 in its modeling MATS; it applies the input-based (lbs/MMBtu) MATS control requirements for mercury and hydrogen chloride to covered units. Since its release in 2011, EPA has completed multiple legal actions on this rule as summarized in http://www.epa.gov/mats/actions.html. On June 29, 2015, the U.S. Supreme Court reversed a portion of the U.S. Court of Appeals for the D.C. Circuit (D.C. Circuit)

decision upholding the Mercury and Air Toxics Standards (MATS). Michigan v. EPA, 135 S.Ct. 2699 (2015).

Cooling Water Intakes (316(b)) Rule

Section 316(b) of the Clean Water Act requires that National Pollutant Discharge Elimination System (NPDES) permits for facilities with cooling water intake structures ensure that the location, design, construction, and capacity of the structures reflect the best technology available to minimize harmful impacts on the environment. Under a 1995 consent decree with environmental organizations, EPA divided the section 316(b) rulemaking into three phases. All new facilities except offshore oil and gas exploration facilities were addressed in Phase I in December 2001; all new offshore oil and gas exploration facilities were later addressed in June 2006 as part of Phase III. This final rule also removes a portion of the Phase I rule to comply with court rulings. Existing large electric-generating facilities were addressed in Phase II in February 2004. Existing small electric-generating and all manufacturing facilities were addressed in Phase III (June 2006). However, Phase II and the existing facility portion of Phase III were remanded to EPA for reconsideration as a result of legal proceedings. This final rule combines these remands into one rule, and provides a holistic approach to protecting aquatic life impacted by cooling water intakes. This rule covers roughly 1,065 existing facilities that are designed to withdraw at least 2 million gallons per day of cooling water. EPA estimates that 544 power plants are affected by this rule.

The final regulation has three components for affected facilities: 1) reduce fish impingement through a technology option that meets best technology available requirements, 2) conduct site specific studies to help determine whether additional controls are necessary to reduce entrainment, and 3) meet entrainment standards for new units at existing facilities when additional capacity is added. EPA Base Case v.5.15 includes cost of complying with this rule by the effected units as detailed in the rule development. The IPM cost assumptions and analysis for 316(b) can be found in Chapter 8.7 of the Rule's Technical Development Document for the Final Section 316(b) Existing Facilities Rule at http://water.epa.gov/lawsregs/lawsguidance/cwa/316b/upload/Cooling-Water_Phase-4_TDD_2014.pdf

For more information on 316(b), go to http://water.epa.gov/lawsregs/lawsguidance/cwa/316b/index.cfm

Combustion Residuals from Electric Utilities (CCR)

In December of 2014, EPA finalized national regulations to provide a comprehensive set of requirements for the safe disposal of coal combustion residuals (CCRs), commonly known as coal ash, from coal-fired power plants. The final rule is the culmination of extensive study on the effects of coal ash on the environment and public health. The rule establishes technical requirements for CCR landfills and surface impoundments under Subtitle D of the Resource Conservation and Recovery Act.

EPA Base Case v.5.15 includes cost of complying with this rule's requirements by taking the estimated plant-level compliance cost identified in the 2014 RIA for the CCR final rule and apportioning them into unit-level cost. Three categories of unit-level cost were quantified; capital cost, fixed operating and maintenance cost (FOM), and variable operating and maintenance (VOM) cost. The method for apportioning these costs to the unit-level for inclusion in EPA Base Case is discussed in the Addendum to the Regulatory Analysis (RIA) for EPA's 2015 Coal combustion Residuals (CCR) Final Rule._The initial plant-level cost estimates are discussed in the Rule's Regulatory Impact Analysis.

For more information on CCR, go to http://www2.epa.gov/coalash/coal-ash-rule.

Section 3.9.4

AB 32

California AB 32 CO_2 allowance price projections are based on AEO 2013. The California AB 32 CO_2 cost adder for power imported into CA is based on the CA ARB unspecified rate of 0.428 Metric Tons CO_2 / MWh.

Section 4.2.7 Cost and Performance Characteristics of Existing Units

VARIABLE O&M APPROACH

EPA Base Case v.5.15 using IPM uses a modeling construct termed Segmental VOM to capture the variability in operation and maintenance costs that are treated as a function of the unit's dispatch pattern. Generally speaking the construct captures costs associated with major maintenance and consumables. In EPA Base Case v.5.15, the VOM for combined cycles and combustion turbine units includes the costs of both major maintenance and consumables while for coal steam and oil/gas steam units includes only the cost of consumables. The VOM cost of various emission control technologies is also incorporated.

Major maintenance: Major maintenance costs are those costs that are required to maintain the unit at its delivered performance specifications and whose terms are usually dictated through its long term service agreement (LTSA). The three main areas of maintenance for gas turbines include combustion inspection, hot gas path inspection and major inspections. All of these costs are driven by the hours of operation and the number of starts that are incurred within that time period of operation. In a cycling or mid-merit type mode of operation, there are many starts, accelerating the approach of an inspection. As more starts are incurred compared to the generation produced, cost per generation increase. For base load operation there are fewer starts spread of more generation, lowering the cost per generation. While this nomenclature is for gas-turbine based systems, steam turbine based systems have a parallel construct.

Consumables: The model captures consumable costs, as purely a function of output and does not varies across the segmented time-period. In other words, the consumables cost component is held constant over both peak and off-peak segments. Consumables include chemicals, lube oils, make-up water, waste water disposal, reagents, and purchased electricity.

Data Sources For Gas-Turbine Based Prime Movers:
ICF has used its deep expertise in operation & maintenance costs for these types of prime movers to develop generic variable O&M costs as a function of technology.

As mentioned above the variable O&M for gas-turbine based systems tracks Long Term Service Agreement costs, start-up and consumables.

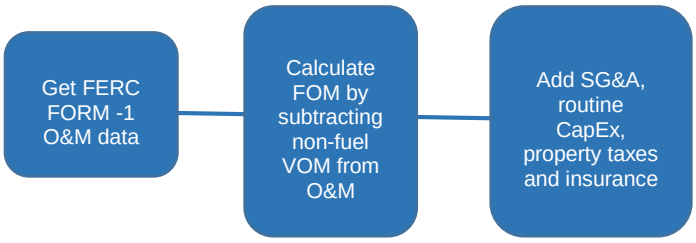
Data Sources For Stand-Alone Steam Turbine Based Prime Movers:
The value levels of non-fuel variable O&M data for stand-alone steam turbine plants is mostly based on 2010 NETL Report, "Cost and Performance Baseline for Fossil Energy Plants" supplemented with ICF experience where required. The VOM cost adders of various emission control technologies are based on cost functions described in Chapter 5.

FIXED O&M APPROACH

Stand Alone – Steam Turbines Based Prime Movers

IPM's O&M cost data for existing coal and oil/gas steam units were developed starting with FERC Form 1 data sets from the years 2003 to 2012. The FERC Form-1 database does not explicitly report separate fixed and variable O&M expenses. In deriving Fixed O&M costs, generic variable O&M costs are assigned to each individual power plant. Next, the assumed variable O&M cost is subtracted from the total O&M reported by FERC Form-1 to calculate a starting point for fixed O&M. Thereafter other cost items which are not reported by FERC Form-1, are added to the raw FOM starting point. These unreported cost items are SG&A (Selling, General and Administrative Expenses), property taxes, insurance and routine capex. A detailed description of the fixed O&M derivation methodology is provided below.

Exhibit-1
Derivation of Plant Fixed O&M Data



i) Assign generic VOM cost to each unit in FERC Form 1. Subtract this VOM from the total O&M cost from FERC Form 1 to calculate raw FOM cost. Aggregate this unit level raw FOM cost data into age based categories. The weighted average raw FOM costs for uncontrolled units by age group is the output of this step and is used as the starting point for subsequent steps.

ii) An owner/operator fee for SG&A services in the range of 20-30% is added to raw fixed O&M figures in step 1.

iii) Property tax and insurance cost estimates in $/kW-yr are also added. These figures vary by plant type.

iv) A generic percentage value to cover routine capex is added to raw fixed O&M figures in step 1. The percentage varies by prime mover and is based on a review of FERC Form 1 data

v) Finally, generic FOM cost adders for various emission control technologies are estimated using cost functions described in Chapter 5. Based on the emission control configuration of each unit in NEEDS, the appropriate emission control cost adder is added to the raw cost from step 1.

The fixed O&M derivation approach relies on top-down derivation of fixed costs based on FERC Form-1 data and ICF's own non-fuel variable O&M, SG&A, routine capex, property tax and insurance.

Gas-Turbine Based Prime Movers

Similar to the stand-alone steam turbine based prime movers, the Fixed O&M for gas-turbine based systems tracks: labor, routine maintenance, property taxes, insurance, owner/operator SG&A, and routine capital expenditures. These generic Fixed O&M costs as a function of technology are based on ICF's deep expertise in fixed operation & maintenance costs for these types of prime movers.

Table 4-14 Short-Term Capital Cost Adders for New Power Plants in EPA Base Case v.5.15 (2011$)

ID Number	Plant Type		2016			2018			2020			2025			2030		
			Step 1	Step 2	Step 3	Step 1	Step 2	Step 3	Step 1	Step 2	Step 3	Step 1	Step 2	Step 3	Step 1	Step 2	Step 3
1	Biomass	Upper Bound (MW)	658	438	-	1,315	877	-	1,315	877	-	3,288	2,192	-	3,288	2,192	-
		Adder ($/kW)	-	1,285	3,322	-	1,285	3,322	-	1,285	3,322	-	1,285	3,322	-	1,285	3,322
2	Coal Steam	Upper Bound (MW)	6,913	4,609	-	13,826	9,218	-	13,826	9,218	-	34,566	23,044	-	34,566	23,044	-
		Adder ($/kW)	-	916	2,370	-	916	2,370	-	916	2,370	-	916	2,370	-	916	2,370
3	Combined Cycle	Upper Bound (MW)	46,157	30,771	-	92,314	61,542	-	92,314	61,542	-	230,784	153,856	-	230,784	153,856	-
		Adder ($/kW)	-	313	809	-	313	809	-	313	809	-	313	809	-	313	809
4	Combustion Turbine	Upper Bound (MW)	23,668	15,778	-	47,335	31,557	-	47,335	31,557	-	118,338	78,892	-	118,338	78,892	-
		Adder ($/kW)	-	200	518	-	200	518	-	200	518	-	200	518	-	200	518
5	Fuel Cell	Upper Bound (MW)	600	400	-	1,200	800	-	1,200	800	-	3,000	2,000	-	3,000	2,000	-
		Adder ($/kW)	-	2,215	5,727	-	2,215	5,727	-	2,215	5,727	-	2,215	5,727	-	2,215	5,727
6	Geothermal	Upper Bound (MW)	314	210	-	629	419	-	629	419	-	1,572	1,048	-	1,572	1,048	-
		Adder ($/kW)	-	2,140	5,535	-	2,133	5,517	-	2,133	5,517	-	2,113	5,465	-	2,088	5,400
7	IGCC and Advanced Coal with Carbon Capture	Upper Bound (MW)	2,400	1,600	-	4,800	3,200	-	4,800	3,200	-	12,000	8,000	-	12,000	8,000	-
		Adder ($/kW)	-	944	2,441	-	944	2,441	-	944	2,441	-	944	2,441	-	944	2,441
8	Landfill Gas	Upper Bound (MW)	600	400	-	1,200	800	-	1,200	800	-	3,000	2,000	-	3,000	2,000	-
		Adder ($/kW)	-	2,708	7,003	-	2,701	6,987	-	2,701	6,987	-	2,683	6,939	-	2,660	6,879
9	Nuclear	Upper Bound (MW)	11,244	7,496	-	22,488	14,992	-	22,488	14,992	-	56,220	37,480	-	56,220	37,480	-
		Adder ($/kW)	-	1,789	4,626	-	1,789	4,626	-	1,789	4,626	-	1,789	4,626	-	1,789	4,626
10	Solar Thermal	Upper Bound (MW)	920	614	-	1,841	1,227	-	1,841	1,227	-	4,602	3,068	-	4,602	3,068	-
		Adder ($/kW)	-	1,382	3,575	-	1,357	3,511	-	1,334	3,450	-	1,273	3,292	-	1,208	3,125
11	Solar PV	Upper Bound (MW)	7,441	4,961	-	14,882	9,922	-	14,882	9,922	-	37,206	24,804	-	37,206	24,804	-
		Adder ($/kW)	-	607	1,569	-	521	1,347	-	436	1,128	-	396	1,025	-	355	919
12	Onshore Wind	Upper Bound (MW)	15,700	10,466	-	31,399	20,933	-	31,399	20,933	-	78,498	52,332	-	78,498	52,332	-
		Adder ($/kW)	-	523	1,352	-	514	1,330	-	507	1,310	-	492	1,274	-	485	1,253
13	Offshore Wind	Upper Bound (MW)	600	400	-	1,200	800	-	1,200	800	-	3,000	2,000	-	3,000	2,000	-
		Adder ($/kW)	-	1,589	4,111	-	1,504	3,891	-	1,421	3,674	-	1,248	3,226	-	1,207	3,122
14	Hydro	Upper Bound (MW)	1,451	967	-	2,902	1,934	-	2,902	1,934	-	7,254	4,836	-	7,254	4,836	-
		Adder ($/kW)	-	504	1,303	-	504	1,303	-	504	1,303	-	504	1,303	-	504	1,303

Table 4-16 Performance and Unit Cost Assumptions for Potential (New) Renewable and Non-Conventional Technology Capacity in EPA Base Case v.5.15

	Biomass-Bubbling Fluidized Bed (BFB)	Geothermal	Landfill Gas			Hydro	Fuel Cells	Solar Photovoltaic	Solar Thermal	Onshore Wind	Offshore Wind
			LGHI	LGLo	LGVLo						
Size (MW)	50	50	50				10	150	100	100	400
First Year Available	2018	2018	2016			2020	2016	2016	2018	2016	2020
Lead Time (Years)	3	4	3			4	3	2	3	3	4
Availability	83%	87%	90%			90%	87%	90%	90%	95%	95%
Generation Capability	Economic Dispatch	Economic Dispatch	Economic Dispatch			Economic Dispatch	Economic Dispatch	Generation Profile	Generation Profile	Generation Profile	Generation Profile
	Vintage #1 (2016-2054)						**Vintage #1 (2016)**				
Heat Rate (Btu/kWh)	13,500	30,000	13,648	13,648	13,648		9,246	9,756	9,756	9,756	9,756
Capital (2011$/kW)	4,041	1,187 - 15,752	8,408	10,594	16,312	1,170 - 6,541	7,117	2,145	4,929	1,695	5,153
Fixed O&M (2011$/kW/yr)	103.79	50 - 541	381.74	381.74	381.74	14.60	357.47	7.37	42.20	46.50	101.40
Variable O&M (2011$/MWh)	5.17	0.00	8.51	8.51	8.51	2.60	0.0	0.0	0.0	0.0	0.0
							Vintage #2 (2018)				
Heat Rate (Btu/kWh)							8,738	9,756	9,756	9,756	9,756
Capital (2011$/kW)							6995	1,848	4,851	1,688	4885
Fixed O&M (2011$/kW/yr)							357.5	7.37	42.20	46.50	101.40
Variable O&M (2011$/MWh)							0.0	0.0	0.0	0.0	0.0
							Vintage #3 (2020)				
Heat Rate (Btu/kWh)							8,230	9,756	9,756	9,756	9,756
Capital (2011$/kW)							6806	1,552	4,774	1,682	4617
Fixed O&M (2011$/kW/yr)							357.5	7.37	42.20	46.50	101.40
Variable O&M (2011$/MWh)							0.0	0.0	0.0	0.0	0.0
							Vintage #4 (2025)				
Heat Rate (Btu/kWh)							6,960	9,756	9,756	9,756	9,756
Capital (2011$/kW)							6276	1,423	4,580	1,672	4070
Fixed O&M (2011$/kW/yr)							357.5	7.37	42.20	46.50	101.40
Variable O&M (2011$/MWh)							0.0	0.0	0.0	0.0	0.0
							Vintage #5 (2030)				
Heat Rate (Btu/kWh)							6,960	9,756	9,756	9,756	9,756
Capital (2011$/kW)							5,799	1,294	4,387	1,668	3963
Fixed O&M (2011$/kW/yr)							357.5	7.37	42.20	46.50	101.40
Variable O&M (2011$/MWh)							0.0	0.0	0.0	0.0	0.0
							Vintage #6 (2040)				
Heat Rate (Btu/kWh)							6,960	9,756	9,756	9,756	9,756
Capital (2011$/kW)							4,872	1,035	3,999	1,667	3,862
Fixed O&M (2011$/kW/yr)							357.5	7.37	42.20	46.50	101.40
Variable O&M (2011$/MWh)							0.0	0.0	0.0	0.0	0.0
							Vintage #7 (2050)				
Heat Rate (Btu/kWh)							6,960	9,756	9,756	9,756	9,756
Capital (2011$/kW)							4872	1,035	3,612	1,667	3747
Fixed O&M (2011$/kW/yr)							357.5	7.37	42.20	46.50	101.40
Variable O&M (2011$/MWh)							0.0	0.0	0.0	0.0	0.0

Notes:

[1] Assumptions for Biomass Cofiring for Coal Plants can be found in Table 5-13

Table 4-20 Representative Wind Generation Profiles in EPA Base Case v.5.15

Illustrative Hourly Wind Generation Profile (kWh of Generation per MW of Electricity)

Winter	Wind Class				
Hour	1	2	3	4	5
01	496	577	628	639	678
02	490	570	622	634	674
03	484	566	619	631	670
04	470	551	606	619	661
05	443	524	580	596	642
06	426	505	560	579	628
07	422	500	553	573	623
08	430	509	558	578	628
09	420	501	548	569	619
10	401	485	532	555	607
11	387	470	518	544	597
12	384	466	514	542	596
13	384	463	510	540	595
14	387	464	511	541	596
15	390	464	512	542	597
16	386	458	504	535	591
17	373	444	487	519	577
18	374	446	485	518	576
19	403	476	514	545	600
20	447	522	561	587	636
21	479	557	598	617	660
22	497	576	619	634	673
23	502	582	629	641	679
24	500	580	629	641	679
Winter Average	**432**	**511**	**558**	**580**	**628**

Summer	Wind Class				
Hour	1	2	3	4	5
01	331	389	480	500	541
02	318	374	465	487	530
03	306	362	452	473	518
04	284	340	427	449	495
05	252	307	389	411	458
06	227	279	357	378	426
07	207	254	328	349	396
08	201	245	317	338	384
09	193	236	303	326	370
10	196	243	304	328	374
11	211	262	317	343	392
12	231	284	333	359	410
13	244	296	341	366	417
14	254	304	344	368	420
15	262	311	348	372	422
16	264	312	348	372	422
17	260	306	343	367	415
18	267	312	349	373	419
19	292	338	381	405	448
20	325	374	427	450	491
21	344	397	462	484	523
22	350	406	482	501	541
23	347	405	488	507	547
24	340	399	487	506	547
Summer Average	**271**	**322**	**386**	**409**	**454**

Notes:

Based on Onshore Wind in Model Region WECC_CO.

This is an example of the wind data used in EPA Base Case v.5.15

Table 4-21 Onshore Reserve Margin Contribution and Average Capacity Factor by Wind Class

	Wind Class				
	1	2	3	4	5
Capacity Factor	36%	43%	49%	51%	56%
Reserve Margin Contribution[1]	24%	29%	32%	34%	37%

Note:

[1]Reserve Margin Contribution for ERC_REST and ERC_WEST is 8.7%.

Table 4-22 Offshore Shallow Reserve Margin Contribution and Average Capacity Factor by Wind Class

	Wind Class				
	1	2	3	4	5
Capacity Factor	31%	40%	43%	47%	52%
Reserve Margin Contribution[1]	20%	26%	29%	31%	34%

Note:

[1]Reserve Margin Contribution for ERC_REST and ERC_WEST is 8.7%.

Table 4-23 Offshore Deep Reserve Margin Contribution and Average Capacity Factor by Wind Class

	Wind Class				
	1	2	3	4	5
Capacity Factor	36%	45%	49%	51%	54%
Reserve Margin Contribution[1]	24%	30%	32%	34%	35%

Note:

[1]Reserve Margin Contribution for ERC_REST and ERC_WEST is 8.7%.

Table 4-28 Representative Solar Generation Profiles in EPA Base v.5.15

Illustrative Hourly Solar Generation Profile (kWh of Generation per MW of Electricity)

Winter Hour	Solar Thermal	Solar Photovoltaic
01	0	0
02	0	0
03	0	0
04	0	0
05	0	0
06	0	446
07	48	446
08	325	446
09	588	446
10	633	446
11	579	446
12	554	446
13	562	552
14	615	552
15	667	552
16	514	552
17	166	64
18	1	64
19	0	64
20	0	64
21	0	64
22	0	0
23	0	0
24	0	0
Winter Average	**219**	**236**

Summer Hour	Solar Thermal	Solar Photovoltaic
01	0	3
02	0	3
03	0	3
04	0	3
05	0	3
06	3	574
07	475	574
08	911	574
09	978	574
10	993	574
11	959	574
12	935	574
13	890	600
14	876	600
15	852	600
16	819	600
17	651	155
18	185	155
19	0	155
20	0	155
21	0	155
22	0	3
23	0	3
24	0	3
Summer Average	**397**	**301**

Note:
Based on model region WECC_AZ, Solar class 4
This is an example of the solar data used in EPA Base Case v.5.15

Table 4-29 Solar Reserve Margin Contribution and Average Capacity Factor

State	Solar Photovoltaic	
	Average Capacity Factor	Reserve Margin Contribution
Alabama	20%	23%
Alaska	11%	12%
Arizona	26%	30%
Arkansas	21%	24%
California	25%	29%
Colorado	26%	30%
Connecticut	18%	21%
Delaware	19%	21%
Florida	21%	24%
Georgia	20%	23%
Hawaii	21%	24%
Idaho	22%	25%
Illinois	19%	21%
Indiana	18%	21%
Iowa	20%	23%
Kansas	24%	27%
Kentucky	19%	21%
Louisiana	20%	22%
Maine	19%	22%
Maryland	18%	20%
Massachusetts	18%	21%
Michigan	17%	20%
Minnesota	19%	22%
Mississippi	20%	22%
Missouri	19%	22%
Montana	21%	24%
Nebraska	22%	25%
Nevada	26%	30%
New Hampshire	18%	21%
New Jersey	20%	23%
New Mexico	26%	30%
New York	18%	21%
North Carolina	21%	23%
North Dakota	20%	23%
Ohio	17%	20%
Oklahoma	22%	25%
Oregon	23%	26%
Pennsylvania	18%	20%
Rhode Island	18%	20%
South Carolina	20%	23%
South Dakota	21%	24%
Tennessee	20%	23%
Texas	22%	25%
Utah	25%	28%
Vermont	18%	20%
Virginia	20%	23%
Washington	20%	23%
West Virginia	17%	20%
Wisconsin	18%	21%
Wyoming	23%	26%

State	Solar Photovoltaic	
	Average Capacity Factor	Reserve Margin Contribution
Alabama	20%	23%
Alaska	11%	12%
Arizona	26%	30%
Arkansas	21%	24%
California	25%	29%
Colorado	26%	30%
Connecticut	18%	21%
Delaware	19%	21%
Florida	21%	24%
Georgia	20%	23%
Hawaii	21%	24%
Idaho	22%	25%
Illinois	19%	21%
Indiana	18%	21%
Iowa	20%	23%
Kansas	24%	27%
Kentucky	19%	21%
Louisiana	20%	22%
Maine	19%	22%
Maryland	18%	20%
Massachusetts	18%	21%
Michigan	17%	20%
Minnesota	19%	22%
Mississippi	20%	22%
Missouri	19%	22%
Montana	21%	24%
Nebraska	22%	25%
Nevada	26%	30%
New Hampshire	18%	21%
New Jersey	20%	23%
New Mexico	26%	30%
New York	18%	21%
North Carolina	21%	23%
North Dakota	20%	23%
Ohio	17%	20%
Oklahoma	22%	25%
Oregon	23%	26%
Pennsylvania	18%	20%
Rhode Island	18%	20%
South Carolina	20%	23%
South Dakota	21%	24%
Tennessee	20%	23%
Texas	22%	25%
Utah	25%	28%
Vermont	18%	20%
Virginia	20%	23%
Washington	20%	23%
West Virginia	17%	20%
Wisconsin	18%	21%
Wyoming	23%	26%

Table 4-37 Potential Non Powered Dams

IPM Region	State	Capacity (MW)	Capital Cost (2011$/kW)	FOM (2011$/kW-yr)	VOM (2011mills/kWh)
ERC_REST	Texas	383	2245	14.6	2.60
ERC_WEST	Texas	29	2183	14.6	2.60
FRCC	Florida	126	2270	14.6	2.60
MIS_IA	Iowa	383	1707	14.6	2.60
MIS_IL	Illinois	630	1504	14.6	2.60
MIS_INKY	Indiana	66	2753	14.6	2.60
	Kentucky	536	1271	14.6	2.60
MIS_LMI	Michigan	32	4081	14.6	2.60
MIS_MAPP	Montana	17	2159	14.6	2.60
	North Dakota	15	2548	14.6	2.60
MIS_MIDA	Illinois	48	1552	14.6	2.60
	Iowa	150	1711	14.6	2.60
MIS_MNWI	Michigan	0.04	4396	14.6	2.60
	Minnesota	123	2227	14.6	2.60
	Wisconsin	101	1993	14.6	2.60
MIS_MO	Iowa	4	1808	14.6	2.60
	Missouri	242	1454	14.6	2.60
MIS_WUMS	Michigan	4	4415	14.6	2.60
	Wisconsin	114	1859	14.6	2.60
NENG_CT	Connecticut	59	2934	14.6	2.60
NENG_ME	Maine	15	4898	14.6	2.60
NENGREST	Massachusetts	53	4531	14.6	2.60
	New Hampshire	56	3046	14.6	2.60
	Rhode Island	11	4423	14.6	2.60
	Vermont	13	3137	14.6	2.60
NY_Z_A&B	New York	20	2329	14.6	2.60
NY_Z_C&E	New York	66	2461	14.6	2.60
NY_Z_D	New York	49	2437	14.6	2.60
NY_Z_F	New York	78	2478	14.6	2.60
NY_Z_G-I	New York	28	2275	14.6	2.60
PJM_AP	Maryland	13	2689	14.6	2.60
	Pennsylvania	237	1988	14.6	2.60
	Virginia	3	3475	14.6	2.60
	West Virginia	138	1927	14.6	2.60
PJM_ATSI	Ohio	64	2714	14.6	2.60
	Pennsylvania	43	1842	14.6	2.60
PJM_COMD	Illinois	150	1899	14.6	2.60
PJM_Dom	North Carolina	4	2649	14.6	2.60
	Virginia	13	2939	14.6	2.60

IPM Region	State	Capacity (MW)	Capital Cost (2011$/kW)	FOM (2011$/kW-yr)	VOM (2011mills/kWh)
PJM_EMAC	Delaware	1	4655	14.6	2.60
	Maryland	13	2387	14.6	2.60
	New Jersey	17	4291	14.6	2.60
	Pennsylvania	9	2476	14.6	2.60
PJM_PENE	Pennsylvania	316	2026	14.6	2.60
PJM_SMAC	District of Columbia	1	2969	14.6	2.60
	Maryland	15	3092	14.6	2.60
PJM_West	Indiana	10	2612	14.6	2.60
	Kentucky	68	2166	14.6	2.60
	Michigan	0.3	4770	14.6	2.60
	Ohio	165	2543	14.6	2.60
	Tennessee	0.3	2778	14.6	2.60
	Virginia	8	2473	14.6	2.60
	West Virginia	37	2166	14.6	2.60
PJM_WMAC	Pennsylvania	49	2648	14.6	2.60
S_C_KY	Kentucky	431	1551	14.6	2.60
	Ohio	5	2446	14.6	2.60
S_C_TVA	Alabama	118	1628	14.6	2.60
	Georgia	30	1764	14.6	2.60
	Kentucky	1032	1170	14.6	2.60
	Mississippi	112	2083	14.6	2.60
	North Carolina	2	3646	14.6	2.60
	Tennessee	21	2523	14.6	2.60
	Virginia	1	2468	14.6	2.60
S_D_AMSO	Louisiana	158	1599	14.6	2.60
S_D_N_AR	Arkansas	599	1556	14.6	2.60
	Missouri	11	2243	14.6	2.60
S_D_REST	Arkansas	144	1653	14.6	2.60
	Louisiana	192	1629	14.6	2.60
	Mississippi	58	1974	14.6	2.60
S_D_WOTA	Louisiana	23	1727	14.6	2.60
	Texas	125	1509	14.6	2.60
S_SOU	Alabama	723	1324	14.6	2.60
	Florida	11	2307	14.6	2.60
	Georgia	51	1910	14.6	2.60
	Mississippi	56	1941	14.6	2.60
S_VACA	Georgia	0.1	2178	14.6	2.60
	North Carolina	111	2553	14.6	2.60
	South Carolina	43	2973	14.6	2.60
SPP_N	Kansas	54	2421	14.6	2.60

IPM Region	State	Capacity (MW)	Capital Cost (2011$/kW)	FOM (2011$/kW-yr)	VOM (2011mills/kWh)
	Missouri	7	2564	14.6	2.60
SPP_NEBR	Kansas	3	2460	14.6	2.60
SPP_SE	Louisiana	451	1537	14.6	2.60
SPP_SPS	New Mexico	14	2501	14.6	2.60
SPP_WEST	Arkansas	387	1548	14.6	2.60
	Louisiana	24	1614	14.6	2.60
	Missouri	0.4	2809	14.6	2.60
	Oklahoma	312	1816	14.6	2.60
	Texas	20	2174	14.6	2.60
WEC_CALN	California	110	2559	14.6	2.60
WEC_LADW	California	27	1993	14.6	2.60
WECC_AZ	Arizona	58	2171	14.6	2.60
WECC_CO	Colorado	146	1860	14.6	2.60
WECC_ID	Idaho	6	3542	14.6	2.60
WECC_IID	California	0.4	1708	14.6	2.60
WECC_MT	Montana	54	2832	14.6	2.60
WECC_NM	New Mexico	75	2329	14.6	2.60
	Texas	15	2443	14.6	2.60
WECC_NNV	Nevada	12	4012	14.6	2.60
WECC_PNW	California	4	3244	14.6	2.60
	Idaho	1	2985	14.6	2.60
	Oregon	96	2709	14.6	2.60
	Washington	70	2464	14.6	2.60
WECC_SCE	California	34	1911	14.6	2.60
WECC_SF	California	1	2911	14.6	2.60
WECC_SNV	Nevada	2	3508	14.6	2.60
WECC_UT	Utah	29	2315	14.6	2.60
WECC_WY	Wyoming	37	2157	14.6	2.60

Table 4-38 Potential New Stream Development

IPM Region	State	Capacity (MW)	Capital Cost (2011$/kW)	FOM (2011$/kW-yr)	VOM (2011mills/kWh)
MIS_MO	Missouri	891	3500	14.6	2.60
NENG_ME	Maine	406	5750	14.6	2.60
NENGREST	Massachusetts	13	5445	14.6	2.60
	New Hampshire	117	4838	14.6	2.60
	Vermont	58	5673	14.6	2.60
PJM_AP	Pennsylvania	7	4484	14.6	2.60
PJM_EMAC	New Jersey	43	4995	14.6	2.60
	Pennsylvania	30	4484	14.6	2.60
PJM_PENE	Pennsylvania	239	4061	14.6	2.60
PJM_SMAC	Maryland	79	4862	14.6	2.60
PJM_WMAC	Pennsylvania	653	3972	14.6	2.60
S_VACA	South Carolina	51	5470	14.6	2.60
SPP_N	Missouri	350	3427	14.6	2.60
WECC_NNV	Nevada	13	6541	14.6	2.60
WECC_PNW	Oregon	86	4518	14.6	2.60
	Washington	394	3873	14.6	2.60

Section 5.1

Carbon dioxide (CO_2) Emissions from Chemical Reactions in a Wet Flue Gas Desulfurization (FGD) System for Sulfur Dioxide (SO_2) Control:

In EPA applications of IPM, the chemical reactions in a limestone forced oxidation (LSFO) system (also known as a wet FGD or wet scrubber) are assumed to cause CO_2 increases according to the following equation:

CO_2 increase in % of total CO_2 from fuel = 0.35 * SO_2 emission rate of the fuel (in lb/MMBtu) – 0.02

For example, for coal with an SO_2 emission factor of 4.3 lb/MMBtu, the increase in CO_2 is 1.485%. In contrast to LSFO, there is no representation of direct emissions of CO_2 or other greenhouse gases from the other control technologies in IPM. These include limestone spray dryers (LSD) for SO_2 control, dry sorbent injection (DSI) for SO_2 and hydrogen chloride (HCl) control, selective catalytic reduction (SCR) and selective non-catalytic reduction (SNCR) for NO_x control, and activated carbon injection (ACI) for mercury control.

Section 5.2

Retrofit updates to reflect 2014 behavior in 27 units

In recent years, some units have operated SCRs at reduced efficiency, or even bypassed SCRs altogether. As SCR rates in IPM for existing units are drawn from 2011 historical rates, this could overstate reductions at these units. To evaluate, EPA looked at units to determine where 2014 ozone season NOx rates had significantly increased from their 2011 values. Specifically, if a unit both had an SCR in 2011 and subsequently increased their ozone season NOx rate by at least 45% in 2014 their NOx rate was marked for close examination.

NO_x rates and SCR (or SNCR) operation behavior for selected units were revised to reflect 2014 ETS data. The following table shows each unit's respective revised NO_x rates and control operation.

Retrofit Updates to Reflect 2014 Behavior in 27 Units

Facility	UniqueID	State	Control	Control Operation Assumed in 2014	M1	M2	M3	M4
Alcoa Allowance Management Inc	6705_B_4	IN	SCR	Off	0.29	0.14	0.29	0.14
Belews Creek	8042_B_2	NC	SCR	On	0.10	0.10	0.10	0.10
Bruce Mansfield	6094_B_3	PA	SCR	Off	0.28	0.08	0.28	0.08
Charles R Lowman	56_B_3	AL	SCR	Off	0.36	0.07	0.36	0.07
East Bend	6018_B_2	KY	SCR	Off	0.24	0.12	0.24	0.12
Elmer Smith	1374_B_1	KY	SCR	Off	0.99	0.07	0.99	0.07
G G Allen	2718_B_3	NC	SNCR	Off	0.36	0.21	0.36	0.21
G G Allen	2718_B_4	NC	SNCR	Off	0.35	0.21	0.35	0.21
Gen J M Gavin	8102_B_1	OH	SCR	On	0.14	0.14	0.14	0.14
Ghent	1356_B_3	KY	SCR	On	0.19	0.19	0.19	0.19
Ghent	1356_B_4	KY	SCR	On	0.18	0.18	0.18	0.18
Harrison Power Station	3944_B_1	WV	SCR	Off	0.35	0.19	0.35	0.19
Homer City	3122_B_1	PA	SCR	Off	0.35	0.19	0.35	0.19
Homer City	3122_B_3	PA	SCR	Off	0.42	0.19	0.42	0.19
John E Amos	3935_B_3	WV	SCR	On	0.10	0.10	0.10	0.10
Marshall	2727_B_3	NC	SCR	On	0.14	0.14	0.14	0.14
Mayo	6250_B_1A	NC	SCR	On	0.15	0.15	0.15	0.15
Mayo	6250_B_1B	NC	SCR	On	0.15	0.15	0.15	0.15
Mill Creek	1364_B_3	KY	SCR	Off	0.23	0.07	0.23	0.07
New Madrid Power Plant	2167_B_2	MO	SCR	Off	0.47	0.10	0.47	0.10
Pleasants Power Station	6004_B_2	WV	SCR	Off	0.37	0.13	0.37	0.13
Roxboro	2712_B_2	NC	SCR	On	0.15	0.15	0.15	0.15
St. Johns River Power	207_B_1	FL	SCR	Off	0.37	0.15	0.37	0.15
St. Johns River Power	207_B_2	FL	SCR	Off	0.34	0.15	0.34	0.15
Thomas Hill Energy Center	2168_B_MB1	MO	SCR	Off	0.55	0.15	0.55	0.15
Thomas Hill Energy Center	2168_B_MB3	MO	SCR	Off	0.22	0.11	0.22	0.11
Trimble County	6071_B_1	KY	SCR	On	0.14	0.14	0.14	0.14

Preventing the Immediate Retirement of Hardwired Coal-to-gas (C2G) Converting Plants
Hardwired C2G retrofits in NEEDS and in the run are prevented from retiring based on an exogenous ramp rate. The limits are calculated based on the assumption that none of the units can retire in 2014 and all of them can retire in 2030. The following limits in MW of coal-to-gas retrofitting capacity that may be retired in each run-year were applied before 2030.

Year	Limit (MW)
2016	2,194
2018	4,388
2020	6,852
2025	12,066

Chapter 10

Table 10-3 List of Key Pipelines

Link	Pipeline
1 - 4	Iroquois Pipeline Co
1 - 81	Maritimes & Northeast Pipeline
1 - 104	Tennessee Gas Pipeline Co
1 - 104	Algonquin Gas Trans Co
3 - 104	Iroquois Pipeline Co
5 - 6	Tennessee Gas Pipeline Co
5 - 104	Tennessee Gas Pipeline Co
5 - 117	Tennessee Gas Pipeline Co
6 - 5	National Fuel Gas Supply Co
6 - 11	Dominion Trans (CNG)
6 - 11	Columbia Gas Trans Corp
6 - 19	Dominion Trans (CNG)
6 - 79	Texas Eastern Trans Corp
6 - 80	Dominion Trans (CNG)
6 - 80	Columbia Gas Trans Corp
6 - 118	Dominion Trans (CNG)
6 - 118	Tennessee Gas Pipeline Co
8 - 18	Southern Natural Gas Co
8 - 54	Transcontinental Gas Pipeline Co
8 - 95	Transcontinental Gas Pipeline Co
8 - 96	Southern Natural Gas Co
9 - 8	Southern Natural Gas Co
10 - 96	Florida Gas Trans Co
11 - 6	Texas Eastern Trans Corp
11 - 6	Tennessee Gas Pipeline Co
11 - 13	Dominion Trans (CNG)
11 - 18	Tennessee Gas Pipeline Co
11 - 80	Columbia Gas Trans Corp
12 - 11	Columbia Gas Trans Corp
12 - 17	ANR Pipeline Co
12 - 17	Panhandle Eastern Pipeline Co
12 - 98	ANR Pipeline Co
13 - 11	Dominion Trans (CNG)
13 - 11	Texas Eastern Trans Corp
13 - 14	Panhandle Eastern Pipeline Co
14 - 12	Panhandle Eastern Pipeline Co
14 - 12	ANR Pipeline Co
14 - 13	Texas Eastern Trans Corp
14 - 98	Trunkline Gas Co
15 - 14	Panhandle Eastern Pipeline Co
15 - 16	Nat Gas Pipeline Co of America

Link	Pipeline
16 - 20	ANR Pipeline Co
16 - 98	ANR Pipeline Co
17 - 78	Great Lakes Gas Trans Ltd
17 - 98	Panhandle Eastern Pipeline Co
17 - 99	Michcon
18 - 8	East Tennessee Nat Gas Co
18 - 11	Texas Eastern Trans Corp
18 - 11	Tennessee Gas Pipeline Co
18 - 13	Columbia Gas Trans Corp
18 - 56	Tennessee Gas Pipeline Co
18 - 61	Columbia Gas Trans Corp
18 - 80	Columbia Gas Trans Corp
18 - 80	Tennessee Gas Pipeline Co
18 - 92	East Tennessee Nat Gas Co
18 - 116	Texas Eastern Trans Corp
19 - 79	Transcontinental Gas Pipeline Co
19 - 92	Columbia Gas Trans Corp
19 - 93	Dominion Trans (CNG)
21 - 15	Panhandle Eastern Pipeline Co
23 - 20	ANR Pipeline Co
23 - 22	Great Lakes Gas Trans Ltd
23 - 25	Great Lakes Gas Trans Ltd
23 - 99	Great Lakes Gas Trans Ltd
23 - 106	Great Lakes Gas Trans Ltd
24 - 16	Nat Gas Pipeline Co of America
25 - 23	Great Lakes Gas Trans Ltd
25 - 77	Great Lakes Gas Trans Ltd
26 - 24	Nat Gas Pipeline Co of America
27 - 24	Williston Basin Pipeline Co
27 - 41	Williston Basin Pipeline Co
28 - 15	Panhandle Eastern Pipeline Co
28 - 16	ANR Pipeline Co
28 - 21	Panhandle Eastern Pipeline Co
28 - 26	Nat Gas Pipeline Co of America
28 - 29	Colorado Interstate Gas
28 - 68	Colorado Interstate Gas
28 - 108	Nat Gas Pipeline Co of America
28 - 109	Southern Star Central (Williams)
29 - 31	Colorado Interstate Gas
30 - 31	Colorado Interstate Gas
30 - 48	Northwest Pipeline Corp
30 - 113	Northwest Pipeline Corp
31 - 28	Southern Star Central (Williams)
31 - 29	Colorado Interstate Gas
32 - 33	El Paso Nat Gas Co

Link	Pipeline
32 - 33	Transwestern Pipeline Co
32 - 113	Northwest Pipeline Corp
33 - 63	El Paso Nat Gas Co
33 - 68	Transwestern Pipeline Co
33 - 97	El Paso Nat Gas Co
33 - 101	El Paso Nat Gas Co
33 - 101	Transwestern Pipeline Co
34 - 27	Williston Basin Pipeline Co
34 - 31	Wyoming Interstate Co
36 - 37	Socal Gas
36 - 103	Socal Gas
37 - 38	Pacific Gas & Electric
40 - 41	Northwest Energy
41 - 83	Williston Basin Pipeline Co
43 - 73	Terasen (BC Gas)
44 - 45	Northwest Pipeline Corp
45 - 46	Northwest Pipeline Corp
46 - 48	Northwest Pipeline Corp
48 - 47	Northwest Pipeline Corp
51 - 66	Texas Eastern Trans Corp
54 - 8	Transcontinental Gas Pipeline Co
54 - 8	Southern Natural Gas Co
55 - 114	Transcontinental Gas Pipeline Co
56 - 18	Tennessee Gas Pipeline Co
56 - 54	Transcontinental Gas Pipeline Co
56 - 54	Southern Natural Gas Co
56 - 58	Gulf South (Koch)
56 - 114	Gulf South (Koch)
57 - 58	Tennessee Gas Pipeline Co
57 - 58	Southern Natural Gas Co
57 - 58	Texas Eastern Trans Corp
58 - 56	Transcontinental Gas Pipeline Co
58 - 56	Southern Natural Gas Co
58 - 56	Tennessee Gas Pipeline Co
58 - 60	Transcontinental Gas Pipeline Co
58 - 60	Southern Natural Gas Co
58 - 60	Texas Eastern Trans Corp
58 - 60	Tennessee Gas Pipeline Co
58 - 60	Florida Gas Trans Co
58 - 114	Florida Gas Trans Co
58 - 114	Gulf South (Koch)
58 - 116	Texas Eastern Trans Corp
59 - 57	Tennessee Gas Pipeline Co
60 - 61	Trunkline Gas Co
60 - 61	Gulf South (Koch)

Link	Pipeline
60 - 61	ANR Pipeline Co
60 - 61	Tennessee Gas Pipeline Co
60 - 65	Nat Gas Pipeline Co of America
61 - 18	Tennessee Gas Pipeline Co
61 - 56	Southern Natural Gas Co
61 - 115	ANR Pipeline Co
61 - 115	Trunkline Gas Co
61 - 116	Texas Eastern Trans Corp
62 - 60	Tennessee Gas Pipeline Co
62 - 60	ANR Pipeline Co
62 - 60	Trunkline Gas Co
62 - 60	Transcontinental Gas Pipeline Co
62 - 60	Texas Eastern Trans Corp
63 - 53	El Paso Nat Gas Co
63 - 64	Epgt Texas Pipeline (Valero)
63 - 64	Txu Lonestar Gas Pipeline
63 - 65	Oasis
63 - 66	Epgt Texas Pipeline (Valero)
63 - 68	Epgt Texas Pipeline (Valero)
63 - 68	Nat Gas Pipeline Co of America
63 - 97	El Paso Nat Gas Co
64 - 65	Txu Lonestar Gas Pipeline
64 - 108	Nat Gas Pipeline Co of America
65 - 60	Trunkline Gas Co
65 - 60	Transcontinental Gas Pipeline Co
65 - 60	Texas Eastern Trans Corp
65 - 61	Tennessee Gas Pipeline Co
65 - 107	Nat Gas Pipeline Co of America
66 - 51	Tennessee Gas Pipeline Co
66 - 65	Epgt Texas Pipeline (Valero)
66 - 65	Texas Eastern Trans Corp
66 - 65	Tennessee Gas Pipeline Co
66 - 65	Nat Gas Pipeline Co of America
66 - 65	Transcontinental Gas Pipeline Co
67 - 65	Nat Gas Pipeline Co of America
67 - 66	Transcontinental Gas Pipeline Co
68 - 28	Nat Gas Pipeline Co of America
68 - 108	Nat Gas Pipeline Co of America
77 - 25	Great Lakes Gas Trans Ltd
78 - 106	Union Gas
79 - 105	Texas Eastern Trans Corp
79 - 105	Transcontinental Gas Pipeline Co
80 - 11	Dominion Trans (CNG)
80 - 19	Columbia Gas Trans Corp
80 - 92	Columbia Gas Trans Corp

Link	Pipeline
83 - 31	Colorado Interstate Gas
92 - 18	Dominion Trans (CNG)
92 - 93	Columbia Gas Trans Corp
94 - 19	Transcontinental Gas Pipeline Co
94 - 92	Transcontinental Gas Pipeline Co
94 - 93	Transcontinental Gas Pipeline Co
95 - 94	Transcontinental Gas Pipeline Co
97 - 52	El Paso Nat Gas Co
97 - 53	El Paso Nat Gas Co
97 - 102	El Paso Nat Gas Co
98 - 99	ANR Pipeline Co
99 - 17	Great Lakes Gas Trans Ltd
101 - 35	El Paso Nat Gas Co
101 - 36	Socal Gas
101 - 37	Pacific Gas & Electric
101 - 102	El Paso Nat Gas Co
102 - 36	Socal Gas
104 - 1	Iroquois Pipeline Co
104 - 3	Iroquois Pipeline Co
104 - 4	Tennessee Gas Pipeline Co
104 - 79	Columbia Gas Trans Corp
105 - 4	Transcontinental Gas Pipeline Co
105 - 4	Texas Eastern Trans Corp
105 - 104	Algonquin Gas Trans Co
106 - 5	Tennessee Gas Pipeline Co
107 - 15	Nat Gas Pipeline Co of America
107 - 61	Gulf South (Koch)
107 - 61	Centerpoint Energy (Reliant)
107 - 64	Txu Lonestar Gas Pipeline
107 - 111	Texas Eastern Trans Corp
108 - 28	ANR Pipeline Co
108 - 107	Nat Gas Pipeline Co of America
108 - 109	Nat Gas Pipeline Co of America
108 - 110	Centerpoint Energy (Reliant)
109 - 21	Southern Star Central (Williams)
110 - 107	Nat Gas Pipeline Co of America
110 - 109	Centerpoint Energy (Reliant)
110 - 111	Centerpoint Energy (Reliant)
111 - 112	Texas Eastern Trans Corp
111 - 115	Centerpoint Energy (Reliant)
112 - 15	Nat Gas Pipeline Co of America
113 - 30	Wyoming Interstate Co
114 - 54	Transcontinental Gas Pipeline Co
114 - 96	Florida Gas Trans Co
115 - 14	Trunkline Gas Co

Link	Pipeline
115 - 14	ANR Pipeline Co
116 - 18	Texas Eastern Trans Corp
116 - 58	Texas Eastern Trans Corp
117 - 5	Dominion Trans (CNG)
117 - 104	Dominion Trans (CNG)
117 - 105	Transcontinental Gas Pipeline Co
117 - 118	Transcontinental Gas Pipeline Co
117 - 118	Dominion Trans (CNG)
117 - 118	Tennessee Gas Pipeline Co
117 - 118	National Fuel Gas Supply Co
118 - 5	National Fuel Gas Supply Co

Table 10-4 U.S. and Canada Natural Gas Resources and Reserves

Region	Beginning of Year 2015	
	Undiscovered Dry Gas Resource (Tcf) (1)	Dry Gas Reserves (Tcf)
Lower 48 Onshore Non Associated	**2,530**	**275**
Conventional (includes tight)	**516**	**86**
Northeast	34	8
Gulf Coast	130	18
Midcontinent	89	15
Southwest	15	10
Rocky Mountain	236	35
West Coast	11	0
Shale Gas	**1,964**	**180**
Northeast	978	88
Gulf Coast	560	49
Midcontinent	137	19
Southwest	77	21
Rocky Mountain	196	4
West Coast	16	0
Coalbed Methane	**50**	**9**
Northeast	7	1
Gulf Coast	4	0
Midcontinent	7	1
Southwest	-	-
Rocky Mountain	30	7
West Coast	1	-
Lower 48 Offshore Non Associated	**118**	**13**
Gulf of Mexico	117	13
Pacific	1	0
Atlantic	-	-
Associated-Dissolved Gas	**122**	**11**
Alaska	**42**	**13**
Total U.S.	**2,811**	**312**
Canada Non Associated	**780**	**52**
Conventional and Tight	79	30
Shale Gas	642	21
Coalbed Methane	60	2
Canada Associated-Dissolved Gas	**15**	**3**
Total Canada	**796**	**56**
Total U.S and Canada	**3,607**	**368**

Table 10-5 Exploration and Development Assumptions

Region	Fraction of Hydrocarbons that are Natual Gas Liquids (NGLs) (Fraction)	Fraction of Hydrocarbons that are Crude Oil (Fraction)	Max Share of Resources that can be Developed per Year (Fraction)	Exploration, Development Drilling Required (Ft/Bcf)	Lease and Plant Use (Fraction)
(5) Niagara	0.254	0.023	0.06	10,000	0.06
(6) Leidy	0.147	0.824	0.06	4,086	0.03
(11) East Ohio	0.044	0.465	0.06	7,738	0.01
(12) Maumee/Defiance	0.088	0.331	0.06	10,000	0.01
(13) Lebanon	0.088	0.330	0.06	10,000	0.01
(14) Indiana	0.125	0.594	0.06	10,000	0.02
(15) South Illinois	0.131	0.621	0.06	10,000	0.36
(17) Southeast Michigan	0.126	0.595	0.06	10,000	0.05
(18) Tennessee/Kentucky	0.086	0.311	0.06	10,000	0.05
(21) Northern Missouri	0.008	0.920	0.06	10,000	0.05
(24) Ventura	0.008	0.920	0.06	10,000	0.34
(26) Nebraska	0.008	0.920	0.06	10,000	0.06
(28) Kansas	0.007	0.820	0.06	8,468	0.05
(29) East Colorado	0.164	0.798	0.06	9,846	0.06
(30) Opal	0.648	0.236	0.06	3,429	0.06
(31) Cheyenne	0.029	0.971	0.06	5,846	0.06
(32) San Juan Basin	0.066	0.085	0.06	5,549	0.15
(33) EPNG/TW	0.061	0.939	0.06	6,819	0.06
(34) North Wyoming	0.093	0.449	0.06	7,257	0.06
(35) South Nevada	0.353	0.291	0.06	8,085	0.06
(36) SOCAL Area	0.388	0.277	0.06	8,085	0.16
(37) Enhanced Oil Recovery Region	0.004	0.948	0.06	10,000	0.16
(38) PGE Area	0.342	0.272	0.06	8,085	0.16
(39) Pacific Offshore	0.026	0.785	0.06	2,500	0.16
(41) Montana/North Dakota	0.152	0.766	0.06	10,000	0.16
(45) Pacific Northwest	0.308	0.267	0.06	8,085	0.03
(49) Eastern Canada Offshore	0.084	0.111	0.06	10,000	0.07
(54) North Alabama	0.142	0.368	0.06	6,256	0.03
(55) Alabama Offshore	0.241	0.130	0.06	2,500	0.03
(56) North Mississippi	0.240	0.625	0.06	6,567	0.03
(57) East Louisiana Shelf	0.242	0.130	0.06	2,500	0.05
(58) Eastern Louisiana Hub	0.173	0.676	0.06	6,591	0.05
(59) Viosca Knoll/Desoto/Miss Canyon	0.000	1.000	0.06	2,500	0.05
(60) Henry Hub	0.259	0.709	0.06	6,591	0.05
(61) North Louisiana Hub	0.687	0.122	0.06	9,725	0.05
(62) Central and West Louisiana Shelf	0.241	0.130	0.06	2,500	0.05
(63) Southwest Texas	0.121	0.879	0.06	5,021	0.06
(64) Dallas/Ft Worth	0.623	0.300	0.06	5,464	0.06
(65) E. TX (Katy)	0.102	0.490	0.06	6,688	0.06
(66) S. TX	0.040	0.919	0.06	6,705	0.06

Region	Fraction of Hydrocarbons that are Natual Gas Liquids (NGLs) (Fraction)	Fraction of Hydrocarbons that are Crude Oil (Fraction)	Max Share of Resources that can be Developed per Year (Fraction)	Exploration, Development Drilling Required (Ft/Bcf)	Lease and Plant Use (Fraction)
(67) Offshore Texas	0.241	0.130	0.06	2,500	0.06
(68) NW TX	1.000	0.000	0.06	8,626	0.06
(69) Garden Banks	0.000	1.000	0.06	2,500	0.05
(70) Green Canyon	0.000	1.000	0.06	2,500	0.05
(71) Eastern Gulf	0.000	1.000	0.06	2,500	0.05
(72) North British Columbia	0.969	0.013	0.06	10,000	0.10
(74) Caroline	0.011	0.765	0.06	9,651	0.12
(76) Saskatchewan	0.012	0.366	0.06	10,000	0.09
(78) Dawn	0.072	0.111	0.06	10,000	0.09
(80) West Virginia	0.151	0.804	0.06	3,642	0.05
(83) Wind River Basin	0.007	0.630	0.06	5,297	0.06
(87) South Alaska	0.000	0.000	0.06	10,000	0.08
(89) North Alaska	0.000	0.000	0.06	10,000	0.99
(92) Southwest VA	0.044	0.162	0.06	7,665	0.03
(96) North Florida	0.208	0.540	0.06	6,567	0.26
(98) Southwest Michigan	0.126	0.595	0.06	10,000	0.05
(99) Northern Michigan	0.337	0.502	0.06	8,950	0.05
(107) Carthage	0.387	0.000	0.06	2,872	0.06
(108) Southwest Oklahoma	0.014	0.557	0.06	7,953	0.05
(109) Northeast Oklahoma	0.003	0.950	0.06	8,776	0.05
(110) Southeastern Oklahoma	0.037	0.679	0.06	4,502	0.05
(111) Northern Arkansas	0.820	0.166	0.06	3,996	0.05
(112) Southeast Missouri	0.007	0.885	0.06	10,000	0.05
(113) Uinta/Piceance	0.381	0.001	0.06	8,839	0.06
(114) South MS/AL	0.235	0.612	0.06	6,567	0.03
(115) West KY/TN	0.121	0.572	0.06	10,000	0.05
(117) Northeast PA	0.712	0.284	0.06	3,331	0.05
(118) Leidy	0.130	0.861	0.06	3,935	0.05

Figure 10-7 Resource Cost Curves at the Beginning of Year 2015

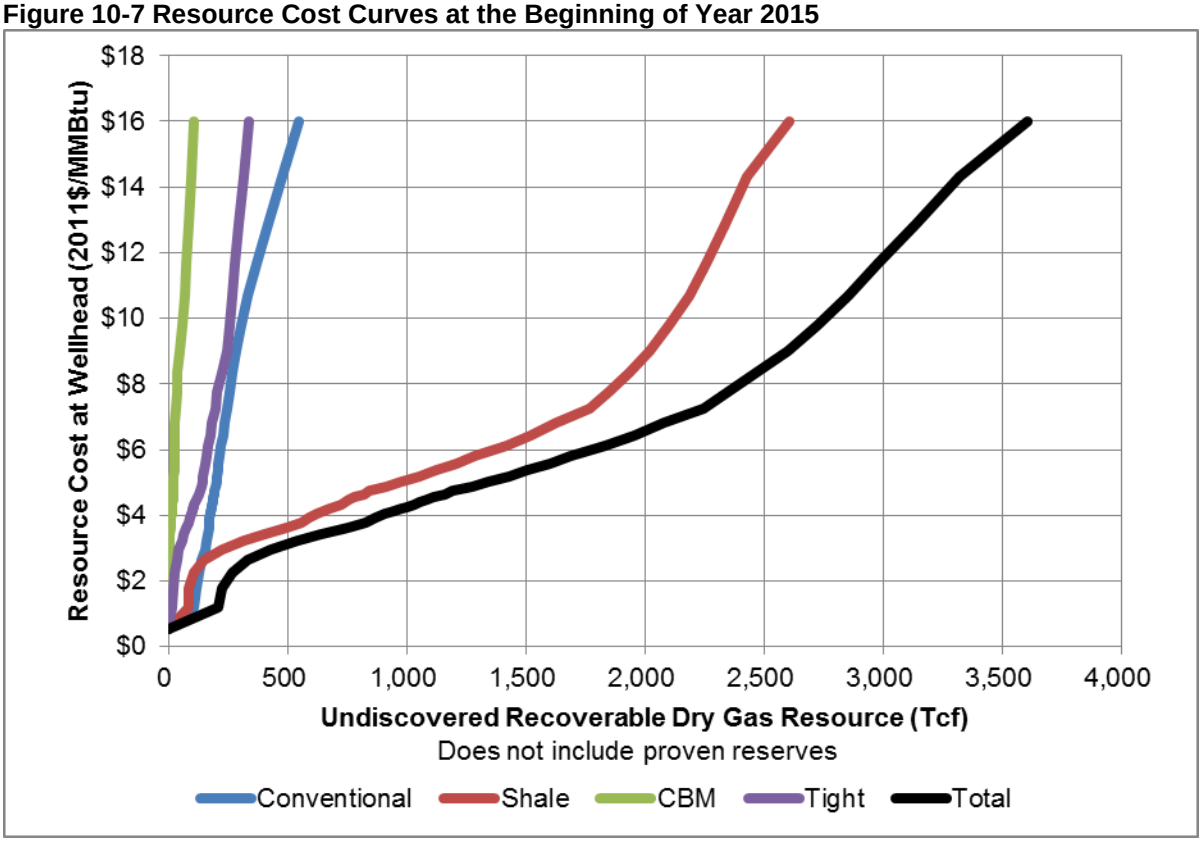


Figure 10-10 Incremental E&D Cost (BOY 2015) by Percentage of Dry Gas Resource Found

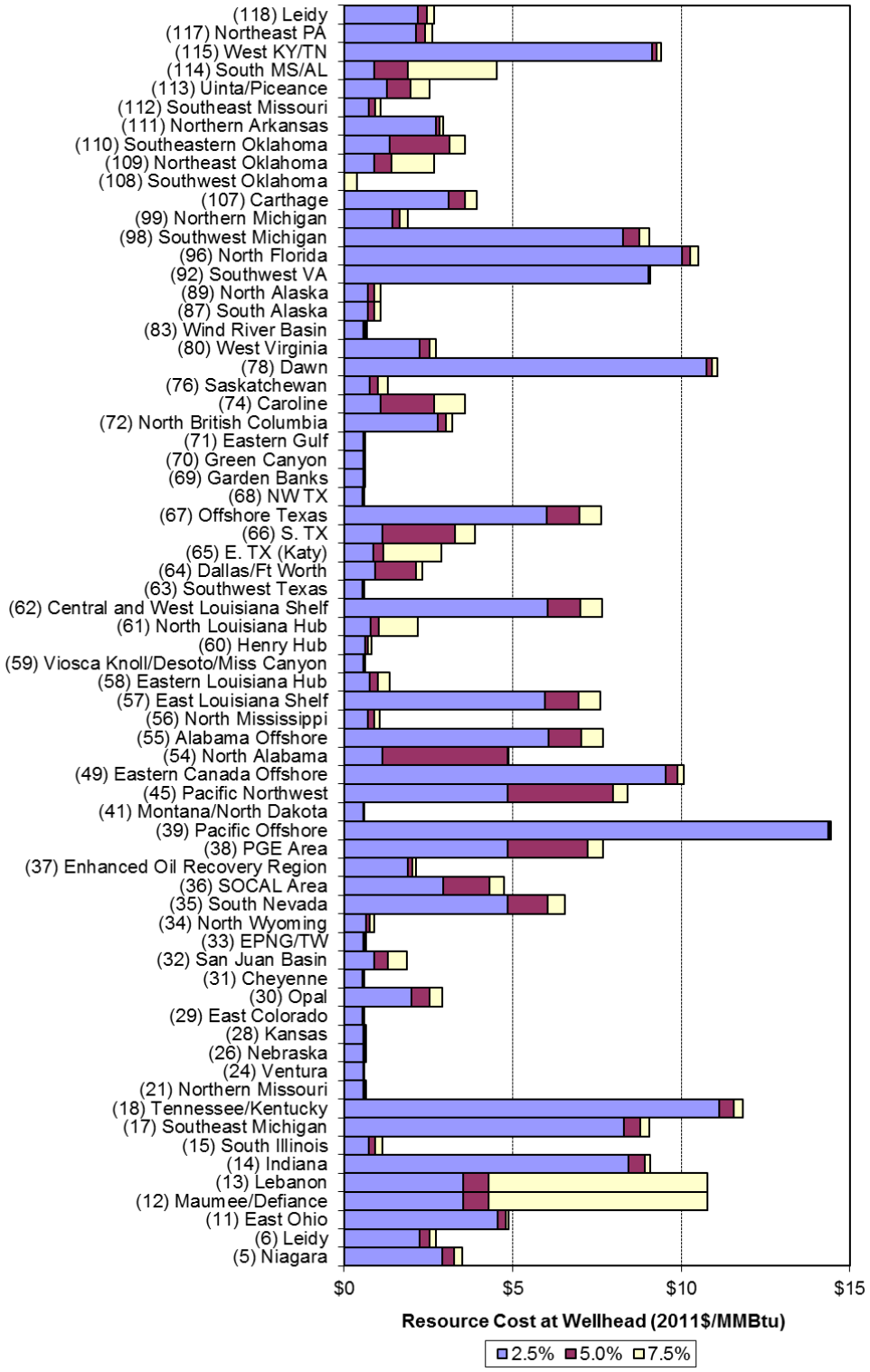


Figure 10-12 North American LNG Supply Curves

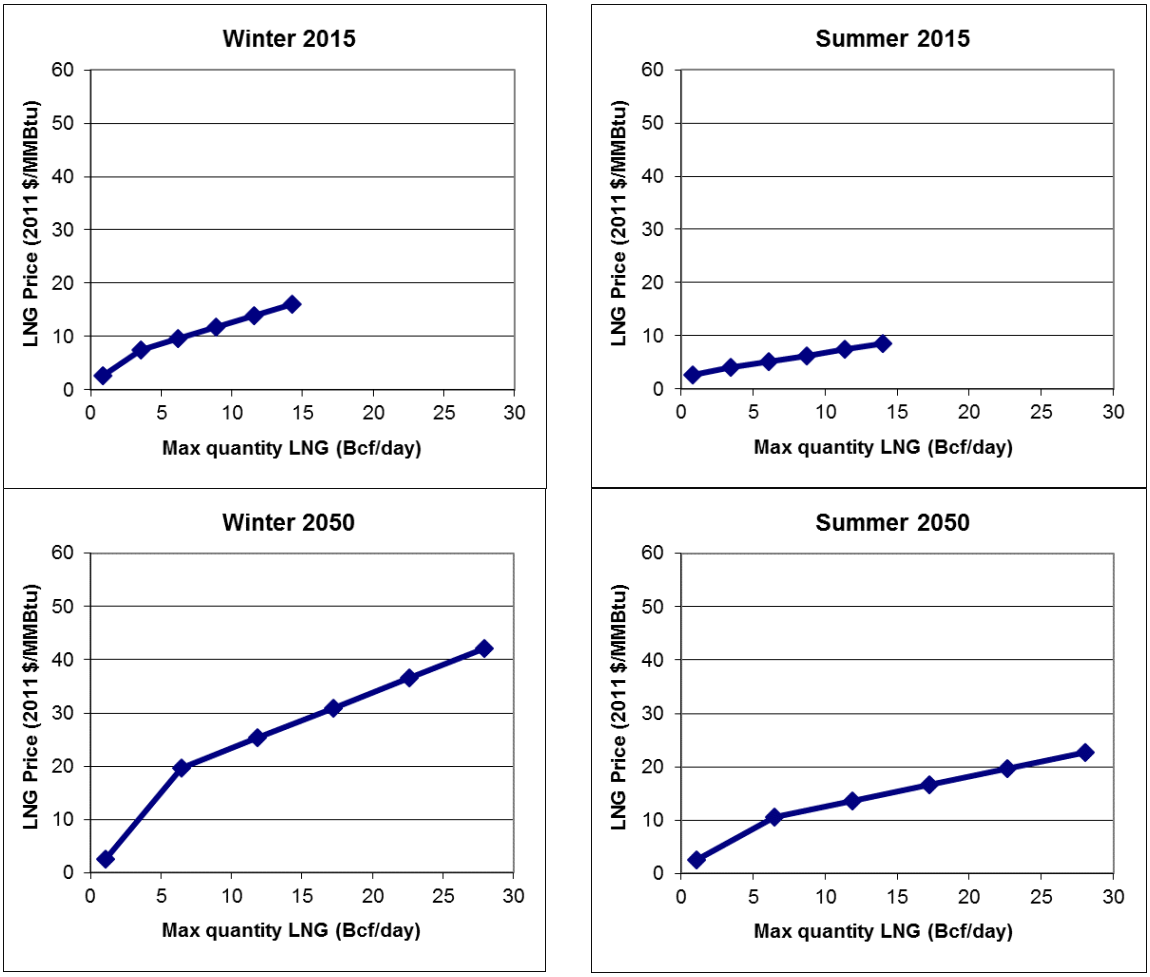
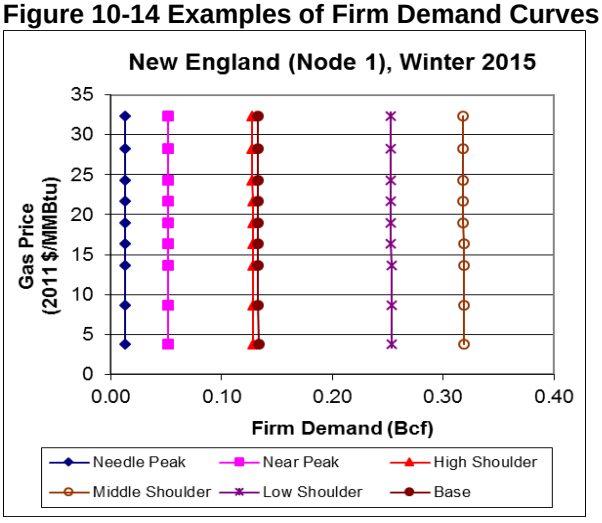


Figure 10-13 North American LNG Regasification Facilities Map

Figure 10-14 Examples of Firm Demand Curves by Electric Load Segment



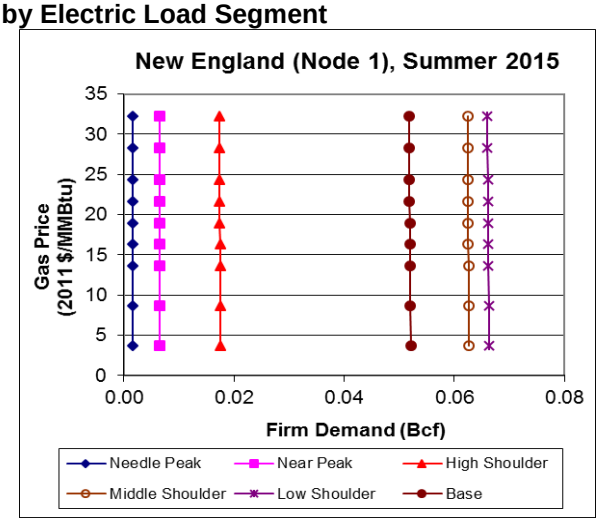


Figure 10-15 Examples of Interruptible Demand Curves by Electric Load Segment

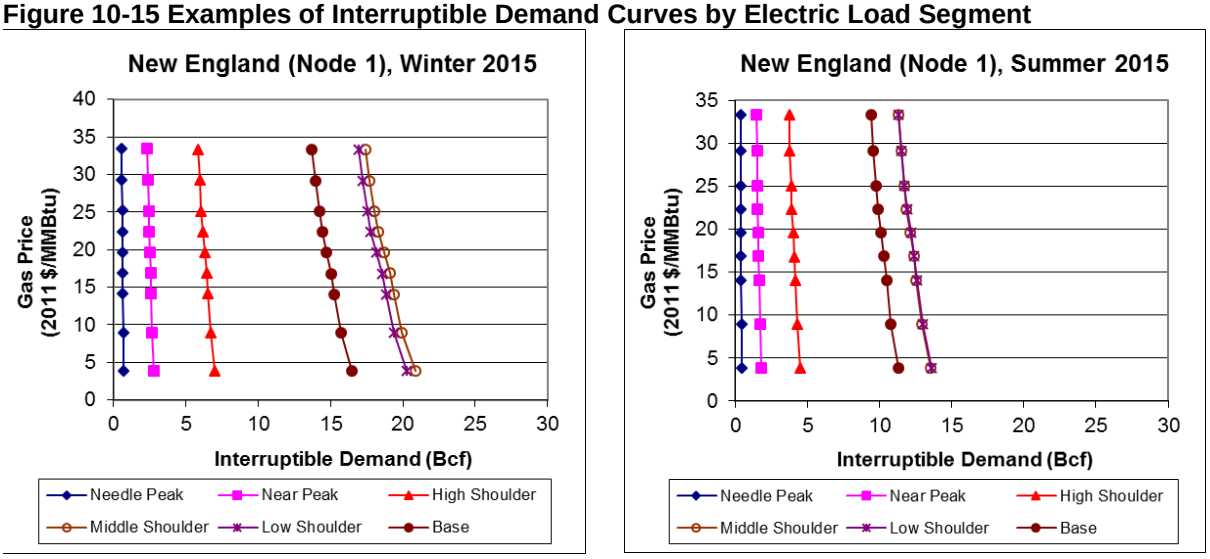


Figure 10-16 LNG Export Assumptions in EPA Base Case v.5.15

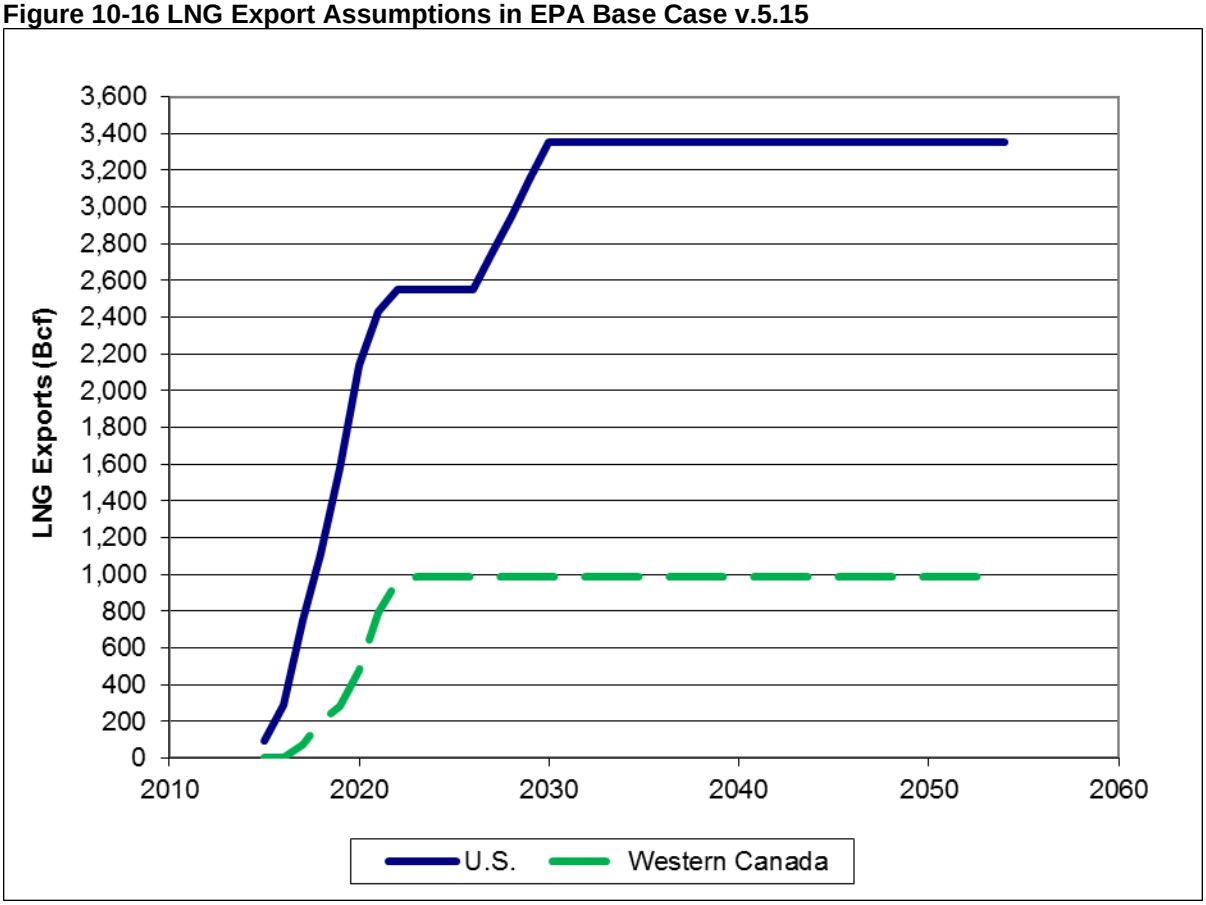


Figure 10-17 New England Pipeline Corridors in 2020

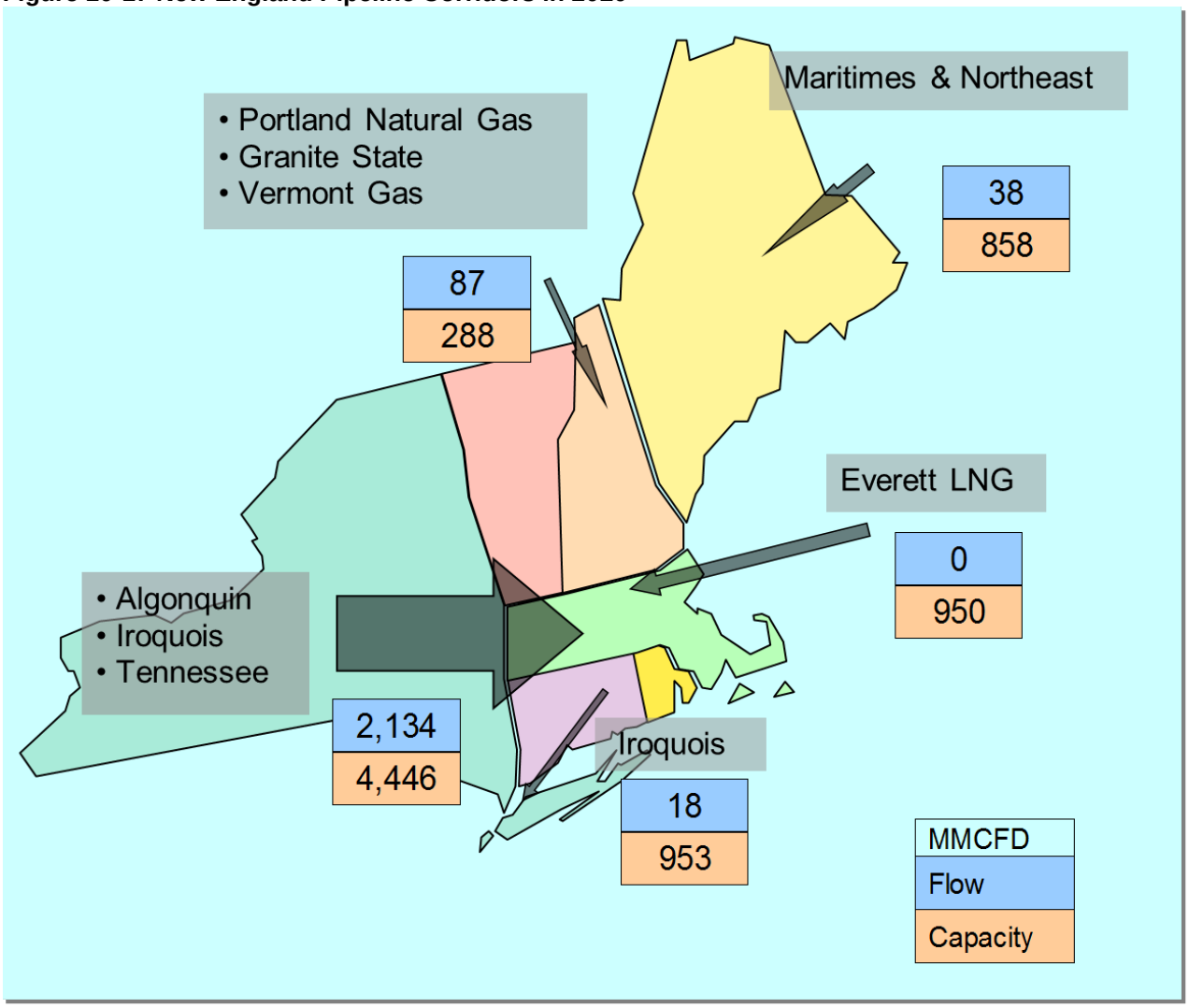


Figure 10-18 Example Pipeline Discount Curve

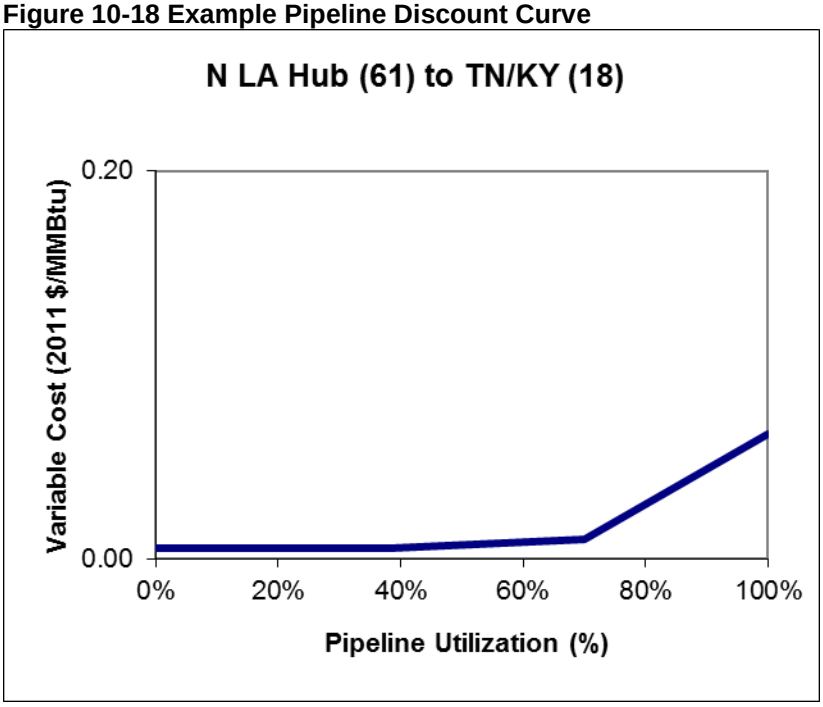


Figure 10-22 Crude Oil and NGL Prices

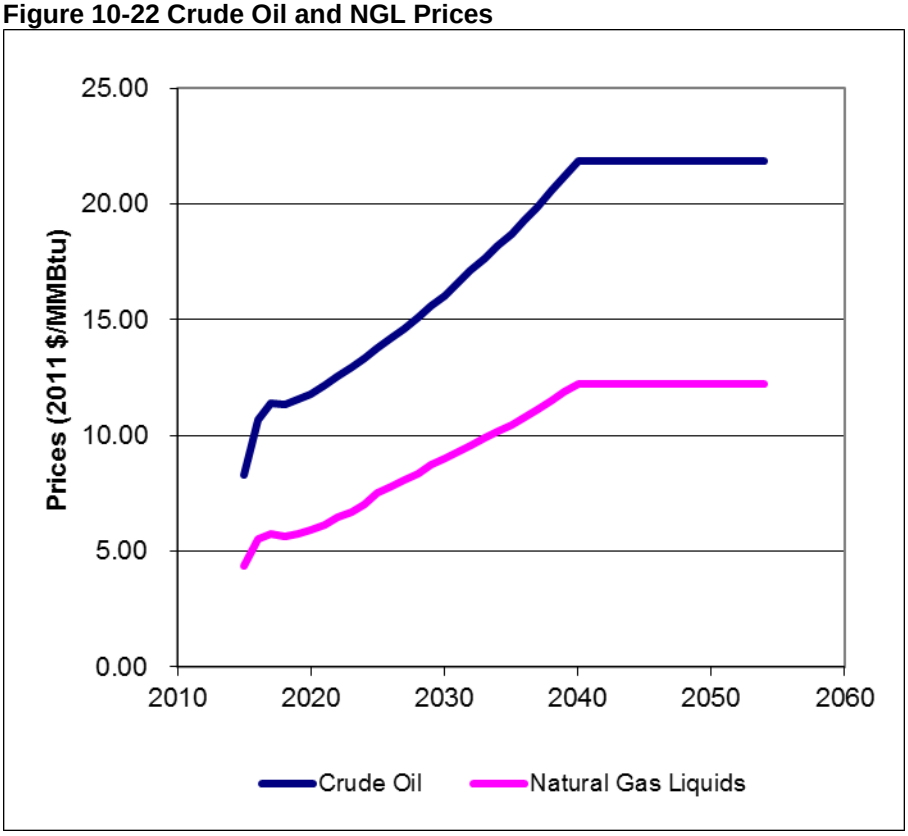


Table 3-13 State Power Regulations in EPA Base Case v.5.15

State/Region	Bill	Emission Type	Emission Specifications	Implementation Status	Notes
Alabama	Alabama Administrative Code Chapter 335-3-8	NO_x	0.02 lbs/MMBtu for combined cycle EGUs which commenced operation after April 1, 2003; For combined-cycle electric generating units fired by natural gas: 4.0 ppmvd at 15% O2 (0.0178 lbs/MMBtu), by fuel oil- 15.0 ppmvd at 15% O2 (0.0667 lbs/MMBtu)	2003	
Arizona	Title 18, Chapter 2, Article 7	Hg	90% removal of Hg content of fuel or 0.0087 lbs/GWh annual reduction for all non-cogen coal units > 25 MW	2017	
California	CA Reclaim Market	NO_x	9.68 MTons annual cap for list of entities in Appendix A of "Annual RECLAIM Audit Market Report for the Compliance Year 2005" (304 entities)	1994	Since the Reclaim Trading Credits are applicable to entities besides power plants, we approximate by hardwiring the NO_x and SO_2 allowance prices for the calendar year 2006.
		SO_2	2.839 MTons in 2016, 2.474 in 2018, and 2.219 in 2020 onward annual cap for list of entities in Appendix A of "Annual RECLAIM Audit Market Report for the Compliance Year 2005" (304 entities)		
	CA AB 32	CO_2	Power sector and Non-power Sector Cap in Million metric tons.	2012	Refer to Section 3.9.4 for details
Colorado	40 C.F.R. Part 60	Hg	2012 & 2013: 80% reduction of Hg content of fuel or 0.0174 lbs/GWh annual reduction for Pawnee Station 1 and Rawhide Station 101. 2014 through 2016: 80% reduction of Hg content of fuel or 0.0174 lbs/GWh annual reduction for all coal units > 25 MW 2017 onwards: 90% reduction of Hg content of fuel or 0.0087 lb/GWh annual reduction for all coal units > 25 MW	2012	
	Clean Air, Clean Jobs Act	NO_x, SO_2, Hg	Retire Arapahoe 3 by 2014; Cherokee 1 & 2 by 2012, Cherokee 3 by 2017; Cameo 1 & 2; Valmont 5 by 2018; W N Clark 55 & 59 by 2015 Convert following units to natural gas: Arapahoe 4 by 2015; Cherokee 4 by 2018 Install SCRs in Hayden 1 & 2 by 2016; SCR + FGD in Pawnee 1 [already installed]	2010	
		Hg	Comanche Units 1, 2, and 3 together limit of 0.000013 lbs/MWh	2012	
		NO_x	Craig Station Unit 1 and Unit 3 NO_x Limit 0.28lbs/MMBtu	2012	
		NO_x	Craig Station Unit 2 NO_x Limit 0.08 lbs/MMBtu	2012	
Connecticut	Executive Order 19 and Regulations of Connecticut State Agencies (RCSA) 22a-174-22	NO_x	0.15 lbs/MMBtu annual rate limit for all fossil units > 15 MW (Non-ozone season only)	2003	
	Executive Order 19, RCSA 22a-198 & Connecticut General Statues (CGS) 22a-198	SO_2	0.33 lbs/MMBtu annual rate limit for all fossil units > 25 MW (Title IV Sources) 0.55 lbs/MMBtu annual rate limit for all non-fossil units > 15 MW and fossil units < 25MW and > 15MW (Non-Title IV Sources)		
	CGS section 22a-199	Hg	90% removal of Hg content of fuel or 0.0087 lbs/GWh annual reduction for all coal-fired units	2008	
Delaware	Regulation 1148: Control of Stationary Combustion Turbine EGU Emissions	NO_x	0.19 lbs/MMBtu ozone season PPMDV for stationary, liquid fuel fired CT EGUs >1 MW 0.39 lbs/MMBtu ozone season PPMDV for stationary, gas fuel fired CT EGUs >1 MW	2009	

State/Region	Bill	Emission Type	Emission Specifications	Implementation Status	Notes
	Regulation No. 1146: Electric Generating Unit (EGU) Multi-Pollutant Regulation	NO_x	0.125 lbs/MMBtu rate limit of NO_x annually for all coal and residual-oil fired units > 25 MW	2009	The following units have specific NO_x, SO_2, and Hg annual caps in MTons: Edge Moor 3: 0.773 NO_x, 1.391 SO_2, & 2012: 0.0000083 Hg, 2013 onwards: 0.0000033 Hg Edge Moor 4: 1.339 NO_x, 2.41 SO_2, & 2012: 0.0000144 Hg, 2013 onwards: 0.0000057 Hg Edge More 5: 1.348 NO_x & 2.427 SO_2 Indian River 3: 0.977 NO_x, 1.759 SO_2, & 2012: 0.0000105 Hg, 2013 onwards: 0.0000042 Hg Indian River 4: 2.032 NO_x, 3.657 SO_2, & 2012: 0.0000219 Hg, 2013 onwards: 0.0000087 Hg McKee Run 3 0.244 NO_x & 0.439 SO_2
		SO_2	0.26 lbs/MMBtu annual rate limit for coal and residual-oil fired units > 25 MW		
		Hg	2012: 80% removal of Hg content of fuel or 0.0174 lbs/GWh annual reduction for all coal units > 25 MW 2013 onwards: 90% removal of Hg content of fuel or 0.0087 lbs/GWh annual reduction for all coal units > 25 MW	2012	
	Regulation 1108: Distillate Fuel Oil rule	SO_2	Any relevant units are to use 0.3% sulfur distillate fuel oil		Fuel rule modeled through unit emission rates
Georgia	Multi-pollutant Control for Electric Utility Steam Generating Units	SCR, FGD, and Sorbent Injection Baghouse controls to be installed	The following plants must install controls: Bowen, Branch, Hammond, McDonough, Scherer, Wansley, and Yates	Implementation from 2008 through 2015, depending on plant and control type	
Illinois	Title 35, Section 217.706	NO_x	0.25 lbs/MMBtu summer season rate limit for all fossil units > 25 MW	2003	
	Title 35, Part 225, Subpart B 225.230	Hg	90% removal of Hg content of fuel; or a standard of .0080 lb Hg/GWh for sources at or above 25 MW; If facility commenced operation on or before December 31, 2008, start date for implementation must be July 1, 2009	2009	Not Ameren Specific
	Title 35 Part 225 Subpart B 225.233	NO_x	0.11 lbs/MMBtu annual rate limit and ozone season rate limit for all coal steam units > 25 MW	2012	Not Ameren Specific
		SO_2	2015 onwards: 0.25 lbs/MMBtu annual rate limit for all coal steam units > 25 MW or a rate equivalent to 35% of the base SO_2 emissions (whichever is more stringent)	2015	
		Hg	90% removal of Hg content of fuel or 0.08 lbs/GWh annual reduction for all coal units > 25 MW	2015	
	Title 35 Part 225 Subpart B 225.233 (MPS Ameren specific)	NOx	0.11 lbs/MMBtu annual rate limit and ozone season rate limit Ameren coal steam units > 25 MW	2012	
		SO_2	2015 & 2016 onwards: 0.25 lbs/MMBtu annual rate limit for all Ameren coal steam units > 25 MW 2017 onwards: 0.23 lbs/MMBtu annual rate limit for all Ameren coal steam units > 25 MW	2015	
	Title 35 Part 225; Subpart F: Combined Pollutant Standards (REPEALED)	NO_x	0.11 lbs/MMBtu ozone season and annual rate limit for all specified Midwest Gen coal steam units	2012	REPEALED
		SO_2	0.44 lbs/MMBtu annual rate limit in 2013, decreasing annually to 0.11 lbs/MMBtu in 2019 for all specified Midwest Gen coal steam units	2013	
		Hg	90% removal of Hg content of fuel or 0.08 lbs/GWh annual reduction for all specified Midwest Gen coal steam units	2015	

State/Region	Bill	Emission Type	Emission Specifications	Implementation Status	Notes
Kansas	NO_x Emission Reduction Rule, K.A.R. 28-19-713a. (Nearman Unit 1)	NO_x	Annual rate limit .26 lbs/MMBtu	2012	
	NO_x Emission Reduction Rule, K.A.R. 28-19-713a. (Quindaro Unit 2)	NO_x	Annual rate limit .20 lbs/MMBtu	2012	
Louisiana	Title 33 Part III - Chapter 22, Control of Nitrogen Oxides	NO_x	For units >/= 80 MMBtu/hr, rate limit in lbs/MMBtu: Coal fired : 0.21 Oil-fired: 0.18 All others (gas or liquid): 0.1 Stationary Sources >/= 10 MMBtu/hr, rate limit in lbs/MMBtu: Oil-fired: 0.3 Gas-fired: 0.2	2005	Applicable for all units in Baton Rouge Nonattainment Area & Region of Influence. Willow Glenn, located in Iberville, obtained a permit that allows its gas-fired units to maintain a cap. These units are separately modeled.
	Title 33, Part III - Chapter 15, Emission Standards for Sulfur Dioxide	SO_2	1.2 lbs/MMBtu ozone season ppmvd for all single point sources that emit or have the potential to emit 5 tons or more of SO_2	2005	
Maine	Chapter 145 NO_x Control Program	NO_x	0.22 lbs/MMBtu annual rate limit for all fossil fuel units > 25 MW built before 1995 with a heat input capacity < 750 MMBtu/hr. 0.15 lbs/MMBtu annual rate limit for all fossil fuel units > 25 MW built before 1995 with a heat input capacity > 750 MMBtu/hr. 0.20 lbs/MMBtu annual rate limit for all fossil fuel fired indirect heat exchangers, primary boilers, and resource recovery units with heat input capacity > 250 MMBtu/hr	2005	
	38 MRSA Section 603-A Low Sulfur in Fuel Rule	SO_2	All fossil units require the use of 0.5% sulfur residual oil [0.52 lbs/MMBtu]	2018	Fuel rule modeled through unit emission rates
	Statue 585-B Title 38, Chapter 4: Protection and Improvement of Air	Hg	25 lbs annual cap for any facility including EGUs (0.0000125 MTons)	2010	
Maryland	Maryland Healthy Air Act	NO_x	7.3 MTons summer cap and 16.7 MTons annual cap for 15 specific existing coal steam units	2009	
		SO_2	2009 through 2012: 48.6 MTons annual cap for 15 specific existing coal steam units 2013 onwards: 37.2 MTons annual cap for 15 specific existing coal steam units		
		Hg	2010 through 2012: 80% removal of Hg content of fuel for 15 specific existing coal steam units 2013 onwards: 90% removal of Hg content of fuel for 15 specific existing coal steam units		
Massachusetts	310 CMR 7.29	NO_x	1.5 lbs/MWh annual GPS for Brayton Point, Mystic Generating Station, Mount Tom, Canal, and Salem Harbor	2006	
		SO_2	3.0 lbs/MWh annual GPS for Brayton Point, Mystic Generating Station, Mount Tom, Canal, and Salem Harbor		

State/Region	Bill	Emission Type	Emission Specifications	Implementation Status	Notes
		Hg	2012: 85% removal of Hg content of fuel or 0.0000025 lbs/MWh annual GPS for Brayton Point, Mystic Generating Station, Mount Tom, Canal, and Salem Harbor 2013 onwards: 95% removal of Hg content of fuel or 0.0000025 lbs/MWh annual GPS for Brayton Point, Mystic Generating Station, Mount Tom, Canal, and Salem Harbor		Brayton units 1 through 3 have an annual Hg cap of 0.0000733 MTons Mt. Tom 1 has an annual Hg cap of 0.00000205 MTons Salem Harbor units 1 through 3 have an annual Hg cap of 0.0000106 MTons
	310 CMR 7.04	SO_2	Sulfur in Fuel Oil Rule requires the use of 0.5% sulfur residual oil [0.52 lbs/MMBtu] by July 1, 2014 for units greater than 250 MMBtu energy input; by July 1, 2018 for all residual oil units except for those located in the Berkshire APCD.	2014	Fuel rule modeled through unit emission rates
Michigan	Part 18 Rules – R 336.1801 (2) (a)	NO_x	For all fossil units > 25 MW, and annual PTE of NO_x >25 tons,.25 lbs/MMBtu ozone season rate, OR 65% NO_x reductions from 1990 levels	2004	
	Part 18 Rules – R 336.1801 (2) (a)	SO_2	SO_2 ppmvd rates in 50% excess air for units in Wayne county: Pulverized coal: 550;Other coal: 420;Distillate oil Nos. 1 & 2: 120;Used oil: 300;Crude and Heavy oil: 400	2012	Not modeled in IPM as limits are within SIP rates
			For all other units, with 0-500,000 lbs Steam per Hour Plant Capacity: 2.5 with >500,000 lbs Steam per Hour Plant Capacity: 1.67		
	Part 15. Emission Limitations and Prohibitions - Mercury	Hg	90% removal of Hg content of fuel annually for all coal units > 25 MW	2015	
Minnesota	Minnesota Hg Emission Reduction Act	Hg	90% removal of Hg content of fuel annually for all coal facilities > 500 MW combined; Dry scrubbed units must implement by December 31, 2010; Wet scrubbed units must implement by December 31, 2014.	2006	
Missouri	10 CSR 10-6.350	NO_x	0.25 lbs/MMBtu annual rate limit for all fossil fuel units > 25 MW in the following counties: Bollinger, Butler, Cape Girardeau, Carter, Clark, Crawford, Dent, Dunklin, Gasconade, Iron, Lewis, Lincoln, Madison, Marion, Mississippi, Montgomery, New Madrid, Oregon, Pemiscot, Perry, Phelps, Pike, Ralls, Reynolds, Ripley, St. Charles, St. Francois, Ste. Genevieve, Scott, Shannon, Stoddard, Warren, Washington and Wayne 0.18 lbs/MMBtu annual rate limit for all fossil fuel units > 25 MW the following counties: City of St. Louis, Franklin, Jefferson, and St. Louis 0.35 lbs/MMBtu annual rate limit for all fossil fuel units > 25 MW in the following counties: Buchanan, Jackson, Jasper, Randolph, and any other county not listed	2004	
Montana	Montana Mercury Rule Adopted 10/16/06	Hg	0.90 lbs/TBtu annual rate limit for all non-lignite coal units 1.50 lbs/TBtu annual rate limit for all lignite coal units	2010	
New Hampshire	RSA 125-O: 11-18	Hg	80% reduction of aggregated Hg content of the coal burned at the facilities for Merrimack Units 1 & 2 and Schiller Units 4, 5, & 6	2012	
	ENV-A2900 Multiple pollutant annual budget trading and banking program	NO_x	2.90 MTons summer cap for all fossil steam units > 250 MMBtu/hr operated at any time in 1990 and all new units > 15 MW 3.64 MTons annual cap for Merrimack 1 & 2, Newington 1, and Schiller 4 through 6	2007	
		SO_2	7.29 MTons annual cap for Merrimack 1 & 2, Newington 1, and Schiller 4 through 6		
	Env -A 2300 - Mitigation of Regional Haze	SO_2	90% SO_2 control at Merrimack 1 & 2; 0.5 lb SO_2/MMBtu 30 day rolling average at Newington 1	2013	
		NO_x	0.30 lb NO_x/MMBtu 30-day rolling average at Merrimack 2; 0.35 lb NO_x/MMBtu when burning oil and 0.25 lb NO_x/MMBtu when burning oil and gas at Newington 1(permit condition).		

State/Region	Bill	Emission Type	Emission Specifications	Implementation Status	Notes
New Jersey	N.J. A. C. Title 7, Chapter 27, Subchapter 10.2	SO_2	0.15 (30 day rolling average) lbs/MMBtu	2012	
	N.J.A.C. 7:27-27.5, 27.6, 27.7, and 27.8	Hg	90% removal of Hg content of fuel annually for all coal-fired units or <= 3.0 mg/MWh (net) 95% removal of Hg content of fuel annually for all MSW incinerator units or <= 28 ug/dscm	2007	
	N.J. A. C. Title 7, Chapter 27, Subchapter 19, Table 1	NO_x	Annual rate limits in lbs/MMBtu for the following technologies: 1.0 for tangential and wall-fired wet-bottom coal boilers serving an EGU 0.60 for cyclone-fired wet-bottom coal boilers serving an EGU	2007	No longer operative. Operative through December 14, 2012
	N.J. A. C. Title 7, Chapter 27, Subchapter 19, Table 2	NO_x	Annual rate limits in lbs/MMBtu for the following technologies: 0.38 for tangential dry-bottom coal boilers serving an EGU 0.45 for wall-fired dry-bottom coal boilers serving an EGU 0.55 for cyclone-fired dry-bottom coal boilers serving an EGU Limits in lbs/MWh 1.50 for tangential, wall-fired, and cyclone-fired coal boilers serving an EGU 2.00 for tangential oil and/or gas boilers serving an EGU 2.80 for wall fired oil and/or gas boilers serving an EGU 4.30 for cyclone-fired oil and/or gas boilers serving an EGU 2.00 for tangential and wall fired gas only boilers serving an EGU 4.30 for cyclone fired gas only boilers serving an EGU	Operative from December 15, 2012 through April 30, 2015	
	N.J. A. C. Title 7, Chapter 27, Subchapter 19, Table 3	NO_x	Annual rate limit lbs/MWh - 1.50 for coal fired boilers serving an EGU; 2.00 for heavier than No.2 fuel oil fired boilers serving an EGU; 1.00 for No.2 and lighter fuel oil fired and gas only fired boilers serving an EGU	05/01/2015	
	N.J. A. C. Title 7, Chapter 27, Subchapter 19, Table 6; non- High Electricity demand Day (HEDD) unit	NO_x	2.2 lbs/MWh for gas-burning simple cycle combustion turbine units 3.0 lbs/MWh for oil-burning simple cycle combustion turbine units 1.3 lbs/MWh for gas-burning combined cycle CT or regenerative cycle CT units 2.0 lbs/MWh for oil-burning combined cycle CT or regenerative cycle CT units	05/20/2009	
	N.J. A. C. Title 7, Chapter 27, Subchapter 19, Table 7; High Electricity demand Day (HEDD) unit	NO_x	1.0 lbs/MWh for gas-burning simple cycle combustion turbine units 1.6 lbs/MWh for oil-burning simple cycle combustion turbine units 0.75 lbs/MWh for gas-burning combined cycle CT or regenerative cycle CT units 1.2 lbs/MWh for oil-burning combined cycle CT or regenerative cycle CT units	2007	On and after May 1, 2015, the owner or operator of a stationary combustion turbine that is a HEDD unit or a stationary combustion turbine that is capable of generating 15 MW or more and that commenced operation on or after May 1, 2005 shall comply with limits outlines “in Table 7 during operation on high electricity demand days, regardless of the fuel combusted, unless combusting gaseous fuel is not possible due to gas curtailment."
New York	Part 237	NO_x	39.91 Mtons [Thousand tons] non-ozone season cap for fossil fuel units > 25 MW	2004	Repealed
	Part 238	SO_2	131.36 MTons [Thousand tons] annual cap for fossil fuel units > 25 MW	2005	Repealed

State/Region	Bill	Emission Type	Emission Specifications	Implementation Status	Notes
	Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units	Hg	786 lbs annual cap through 2014 for all coal fired boiler or CT units >25 MW after Nov. 15, 1990. For facilities identified in Table 1 of Part 246 and includes 40 lbs set aside. 0.60 lbs/TBtu annual rate limit for all coal units > 25 MW developed after Nov.15 1990 for new units and existing facilities – effective Jan 1, 2015.	2010	
	Subpart 227-2 Reasonably Available Control Technology (RACT) For Major Facilities of Oxides Of Nitrogen (NO_x)	NO_x	Annual rate in lbs/MMBTu for very large boilers >250 MMBtu/hr on or after July 1, 2014; Gas only, tangential & wall fired : 0.08 Gas/oil tangential & wall fired : 0.15; cyclone: 0.2 Coal Wet Bottom, tangential & wall fired : 0.12; cyclone: 0.2 Coal Dry Bottom, tangential & wall fired : 0.12; stokers: 0.08	2004	
			Annual rate in lbs/MMBTu for large boilers between 100 and 250 MMBtu/hr on or after July 1, 2014; Gas Only: 0.06 Gas/Oil: 0.15 Pulverized Coal: 0.20 Coal (Overfeed Stoker/FBC): 0.8		
			Annual rate in lbs/MMBTu for mid-size boilers between 25 and 100 MMBtu/hr on or after July 1, 2014; Gas Only: 0.05 Distillate Oil/Gas: 0.08 Residual Oil/Gas: 0.20		
			CTs operating after July 1, 2014 must submit a RACT determination to NYSDEC		Compliance with these emission limits must be determined with a one hour average during the ozone season and a 30-day average during the non-ozone season unless the owner or operator chooses to use a CEMS under the provisions of section 227-2.6(b) of this Subpart.

State/Region	Bill	Emission Type	Emission Specifications	Implementation Status	Notes
			Stationary internal combustion engines having a maximum mechanical output => 200 brake horsepower in a severe ozone nonattainment area or having a maximum mechanical output rating =>400 brake horsepower outside a severe ozone nonattainment area must comply with one of the emission limits in paragraph (1), (2), or (3) of this subdivision or a case-by-case RACT determination made pursuant to paragraph (4) of this subdivision, as applicable: (1) For internal combustion engines fired solely with natural gas: 1.5 grams per brake horsepower-hour. (2) For internal combustion engines fired with landfill gas or digester gas (solely or in combination with natural gas): 2.0 grams per brake horsepower-hour. (3) For internal combustion engine fired with distillate oil (solely or in combination with other fuels): 2.3 grams per brake horsepower-hour. (4) For stationary internal combustion engines fired primarily with fuels not listed above, the owner or operator must submit a proposal for RACT to be implemented that includes descriptions of: (i) the available NO_x control technologies, the projected effectiveness of the technologies considered, and the costs for installation and operation for each of the technologies; and(ii) the technology and the appropriate emission limit selected as RACT considering the costs for installation and operation of the technology. (5) Any stationary internal combustion engine may rely on an emission limit that reflects a 90 percent or greater NO_x reduction from the engine's actual 1990 baseline emissions, if such emissions baseline exists. (6) Emergency power generating stationary internal combustion engines, and engine test cells at engine manufacturing facilities that are used for either research and development purposes, reliability testing, or quality assurance performance testing are exempt from the requirements of this subdivision.		
	Part 251 CO_2 Performance Standards for Major Electric Generating Facilities	CO_2	1450 lbs/MWh rate limit for New Combustion Turbines =>25MW 925 lbs/MWh rate limit for New Fossil Fuel except CT =>25MW	2012	
North Carolina	NC Clean Smokestacks Act: Statute 143-215.107D	NO_x	25 MTons annual cap for Progress Energy coal plants > 25 MW and 31 MTons annual cap for Duke Energy coal plants > 25 MW	2007	
		SO_2	2012: 100 MTons annual cap for Progress Energy coal plants > 25 MW and 150 MTons annual cap for Duke Energy coal plants > 25 MW 2013 onwards: 50 MTons annual cap for Progress Energy coal plants > 25 MW and 80 MTons annual cap for Duke Energy coal plants > 25 MW	2009	
	SECTION .2500 – Mercury Rules for Electric Generators	Hg	Coal-fired electric steam >25 MW to comply with the mercury emission caps of 1.133 tons (36,256 ounces) per year between 2010 and 2017 inclusive and 0.447 tons (14,304 ounces) per year for 2018 and thereafter	2010	Vacated
	15A NCAC 02D .2511	Hg	Duke Energy and Progress Energy Hg control plans submitted on January 1, 2013 and are awaiting approval. All control technologies and limitations must be implemented by December 31, 2017.	2017	
Oregon	Oregon Administrative Rules, Chapter 345, Division 24	CO_2	675 lbs/MWh annual rate limit for new combustion turbines burning natural gas with a CF >75% and all new non-base load plants (with a CE <= 75%) emitting CO_2	1997	

State/Region	Bill	Emission Type	Emission Specifications	Implementation Status	Notes
	Oregon Utility Mercury Rule - Existing Units	Hg	90% removal of Hg content of fuel reduction or 0.6 lbs/TBtu limitation for all existing coal units >25 MW	2012	
	Oregon Utility Mercury Rule - Potential Units	Hg	25 lbs limit for all potential coal units > 25 MW	2009	
Texas	Senate Bill 7 Chapter 101	SO_2	273.95 MTons cap of SO_2 for all grandfathered units built before 1971 in East Texas Region	2003	
		NO_x	Annual cap for all grandfathered units built before 1971 in MTons: 84.48 in East Texas, 18.10 in West Texas, 1.06 in El Paso Region		
	Chapter 117	NO_x	East and Central Texas annual rate limits in lbs/MMBtu for units that came online before 1996: Gas fired units: 0.14 Coal fired units: 0.165 Stationary gas turbines: 0.14	2007	Units are also allowed to comply by reducing the same amount of NO_x on a monthly basis using a system cap or by purchasing credits. East and Central Texas, Dallas/Fort Worth Area, Beaumont-Port Arthur region units are assumed to be in compliance based on their reported 2011 ETS rates. The regulations for these regions are not modeled.
			Dallas/Fort Worth Area annual rate limit for utility boilers, auxiliary steam boilers, stationary gas turbines, and duct burners used in an electric power generating system except for CT and CC units online after 1992: 0.033 lbs/MMBtu or 0.50 lbs/MWh output or 0.0033 lbs/MMBtu on system wide heat input weighted average for large utility systems 0.06 lbs/MMBtu for small utility systems		
			Houston/Galveston region annual Cap and Trade (MECT) for all fossil units: 17.57 MTons		
			Beaumont-Port Arthur region annual rate limits for utility boilers, auxiliary steam boilers, stationary gas turbines, and duct burners used in an electric power generating system: 0.10 lbs/MMBtu		
Utah	R307-424 Permits: Mercury Requirements for Electric Generating Units	Hg	90% removal of Hg content of fuel annually or .65 lbs/MMbtu for all coal units > 25 MW	2013	
Washington	Washington State House Bill 3141	CO_2	$1.45/MTons cost (2004$) for all new fossil-fuel power plant	2004	
	Washington State House Bill 5769	CO_2	1100 lbs/MWh rate limit for new coal plants	2011	
Wisconsin	NR 428 Wisconsin Administration Code	NO_x	Annual rate limits in lbs/MMBtu for coal fired boilers > 1,000 MMBtu/hr : Wall fired, tangential fired, cyclone fired, and fluidized bed: 2013 onwards: 0.10 Arch fired: 2009 onwards: 0.18	2009	
			Annual rate limits in lbs/MMBtu for coal fired boilers between 500 and 1,000 MMBtu/hr: Wall-fired with a heat release rate=> 17,000 Btu per cubic feet per hour; 2013 onwards: 0.17 ; if heat input is lesser: Tangential fired: 2009 onwards: 0.15 Cyclone fired: 2013 onwards: 0.15 Fluidized bed: 2013 onwards: 0.10 Arch fired: 2009 onwards: 0.18		
			Annual rate limits in lbs/MMBtu for coal fired boilers between 250 and 500 MMBtu/hr: Same as for coal boiled between 500 and 1000 MMBtu/hr in addition to: Stoker Fired: .20		

State/Region	Bill	Emission Type	Emission Specifications	Implementation Status	Notes
			Annual rate limits in lbs/MMBtu for coal fired boilers between 50 and 250 MMBtu/hr: Same as for coal boiled between 500 and 1000 MMBtu/hr in addition to: Stoker Fired: .25		
			Annual rate limits for CTs in lbs/MMBtu: Natural gas CTs > 50 MW: 0.11 Distillate oil CTs > 50 MW: 0.28 Biologically derived fuel CTs > 50 MW: 0.15 Natural gas CTs between 25 and 49 MW: 0.19 Distillate oil CTs between 25 and 49 MW: 0.41 Biologically derived fuel CTs between 25 and 49 MW: 0.15		
			Annual rate limits for CCs in lbs/MMBtu: Natural gas CCs > 25 MW: 0.04 Distillate oil CCs > 25 MW: 0.18 Biologically derived fuel CCs > 25 MWs: 0.15 Natural gas CCs between 10 and 24 MW: 0.19		
	Chapter NR 44.12/446.13 Control of Mercury Emissions	Hg	Large (150MW capacity or greater) or small (between 25 and 150 MW) coal-fired EGU, 2015 onwards: 90% removal of Hg content of fuel or 0.0080 lbs/GWh reduction in coal fired EGUs > 150 MW	2015	
	Chapter NR 446.14 Multi-pollutant reduction alternative for coal-fired electrical generating units	Hg	All Coal>25MW; 70% reduction in fuel, or .0190 lbs per GW-hr from CY 2015 – CY 2017 (0.00005568 lbs/MMBtu) 80% reduction in fuel, or .0130 lbs per GW-hr from CY2018 – CY 2020 (0.0000381 lbs/MMBtu) 90% reduction in fuel, or .0080 lbs per GW-hr from January 1, 2021 onwards (0.00000234 lbs/MMBtu)	2015	Alternative already modeled in IPM
		SO_2	All Coal>25MW; .10 lbs per mmBTU by January 1, 2015		
		NO_x	All Coal>25MW; 0.07 lbs per mmBTU by January 1, 2015		

Table 3-14 New Source Review (NSR) Settlements in EPA Base Case v.5.15

Company and Plant	State	Unit	Settlement Actions														Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction			
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date		
Alabama Power																		
James H. Miller	Alabama	Unit 3			Install and operate FGD continuously	95%	12/31/11	Operate existing SCR continuously	0.1	05/01/08		0.03	12/31/06	Within 45 days of settlement entry, APC must retire 7,538 SO_2 emission allowances.	APC shall not sell, trade, or otherwise exchange any Plant Miller excess SO_2 emission allowances outside of the APC system	1/1/21	1) Settlement requires 95% removal efficiency for SO_2 or 90% in the event that the unit combust a coal with sulfur content greater than 1% by weight. 2) The settlements require APC to retire $4,900,000 of SO_2 emission allowances within 45 days of consent decree entry. 3) EPA assumed a retirement of 7, 538 SO_2 allowances based on a current allowance price of $650.	http://www2.epa.gov/enforcement/alabama-power-company-clean-air-act-settlement
	Alabama	Unit 4			Install and operate FGD continuously	95%	12/31/11	Operate existing SCR continuously	0.1	05/01/08		0.03	12/31/06			1/1/21		
Minnkota Power Cooperative																		
			Beginning 1/01/2006, Minnkota shall not emit more than 31,000 tons of SO_2/year, no more than 26,000 tons beginning 2011, no more than 11,500 tons beginning 1/01/2012. If Unit 3 is not operational by 12/31/2015, then beginning 1/01/2014, the plant wide emission shall not exceed 8,500.														-
Milton R. Young	North Dakota	Unit 1			Install and continuously operate FGD	95% if wet FGD, 90% if dry	12/31/11	Install and continuously operate Over-fire AIR, or equivalent technology with emission rate < .36	0.36	12/31/09		0.03 if wet FGD, .015 if dry FGD		Plant will surrender 4,346 allowances for each year 2012 – 2015, 8,693 allowances for years 2016 – 2018, 12,170 allowances for year 2019, and 14,886 allowances/year thereafter if Units 1 – 3 are operational by 12/31/2015. If only Units 1 and 2 are operational by12/31/2015, the plant shall retire 17,886 units in 2020 and thereafter.	Minnkota shall not sell or trade NO_x allowances allocated to Units 1, 2, or 3 that would otherwise be available for sale or trade as a result of the actions taken by the settling defendants to comply with the requirements		1) Settlement requires 95% removal efficiency for SO_2 at Unit 1 if a wet FGD is installed, or 90% if a dry FGD is installed. The FGD for Units 1 and 2 and the NO_x control for Unit 1 are modeled as emission constraints in EPA Base Case, the NO_x control for Unit 2 is hardwired into EPA Base Case. 2) Beginning 12/31/2010, Unit 2 will achieve a phase II average NO_x emission rate established through its NO_x BACT determination. Beginning 12/31/2011, Unit 1 will achieve a phase II NO_x emission rate established by its BACT determination.	http://www2.epa.gov/enforcement/minnkota-power-cooperative-and-square-butte-electric-cooperative-settlement
	North Dakota	Unit 2			Design, upgrade, and continuously operate FGD	90%	12/31/10	Install and continuously operate over-fire AIR, or equivalent technology with emission rate < .36	0.36	12/31/07		0.03	Before 2008					
SIGECO																		
FB Culley	Indiana	Unit 1	Repower to natural gas (or retire)	12/31/06										The provision did not specify an amount of SO_2 allowances to be surrendered. It only provided that excess allowances resulting from compliance with NSR settlement provisions must be retired.				http://www2.epa.gov/enforcement/southern-indiana-gas-and-electric-company-sigeco-fb-culley-plant-clean-air-act-caa
	Indiana	Unit 2			Improve and continuously operate existing FGD (shared by Units 2 and 3)	95%	06/30/04											
	Indiana	Unit 3			Improve and continuously operate existing FGD (shared by Units 2 and 3)	95%	06/30/04	Operate Existing SCR Continuously	0.1	09/01/03	Install and continuously operate a Baghouse	0.015	06/30/07					
PSEG FOSSIL																		
Bergen	New Jersey	Unit 2	Repower to combined cycle	12/31/02										The provision did not specify an amount of SO_2 allowances to				http://www2.epa.gov/enforcement/pseg-

Company and Plant	State	Unit	Settlement Actions														Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction			
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date		
Hudson	New Jersey	Unit 2			Install Dry FGD (or approved alt. technology) and continually operate	0.15	12/31/10	Install SCR (or approved tech) and continually operate	0.1	12/31/10	Install Baghouse (or approved technology)	0.015	12/31/10	be surrendered. It only provided that excess allowances resulting from compliance with NSR settlement provisions must be retired.			The settlement requires coal with monthly average sulfur content no greater than 2% at units operating FGD -- this limit is modeled as a coal choice exception in EPA Base Case.	fossil-llc-settlement
Mercer	New Jersey	Unit 1			Install Dry FGD (or approved alt. technology) and continually operate	0.15	12/31/10	Install SCR (or approved tech) and continually operate	0.1	01/01/07	Install Baghouse (or approved technology) w/activated carbon injection for Hg control	0.015	12/31/10				The settlement requires coal with monthly average sulfur content no greater than 2% at units operating FGD -- this limit is modeled as a coal choice exception in EPA Base Case. Limits are consistent with recent Title V permits.	http://www2.epa.gov/enforcement/pseg-fossil-llc-settlement
	New Jersey	Unit 2			Install Dry FGD (or approved alt. technology) and continually operate	0.15	12/31/10	Install SCR (or approved tech) and continually operate	0.1	01/31/07	Install Baghouse (or approved technology) w/activated carbon injection for Hg control	0.015	12/31/10				The settlement requires coal with monthly average sulfur content no greater than 2% at units operating FGD -- this limit is modeled as a coal choice exception in EPA Base Case.	
TECO																		
Big Bend	Florida	Unit 1			Existing Scrubber (shared by Units 1 & 2)	95% (95% or .25)	09/1/00 (01/01/13)	Install SCR	0.12	06/01/08		0.03		The provision did not specify an amount of SO_2 allowances to be surrendered. It only provided that excess allowances resulting from compliance with NSR settlement provisions must be retired.				http://www2.epa.gov/enforcement/tampa-electric-company-teco-clean-air-act-caa-settlement
	Florida	Unit 2			Existing Scrubber (shared by Units 1 & 2)	95% (95% or .25)	09/1/00 (01/01/13)	Install SCR	0.12	06/01/09		0.03						
	Florida	Unit 3			Existing Scrubber (shared by Units 3 & 4)	93% if Units 3 & 4 are operating	2000 (01/01/10)	Install SCR	0.12	06/01/10		0.03						
	Florida	Unit 4			Existing Scrubber (shared by Units 3 & 4)	93% if Units 3 & 4 are operating	06/22/05	Install SCR	0.1	07/01/07								
Gannon	Florida	Six units	Retire all six coal units and repower at least 550 MW of coal capacity to natural gas	12/31/04														
WEPCO																		
			WEPCO shall comply with the following system wide average NO_x emission rates and total NO_x tonnage permissible: by 1/1/2005 an emission rate of 0.27 and 31,500 tons, by 1/1/2007 an emission rate of 0.19 and 23,400 tons, and by 1/1/2013 an emission rate of 0.17 and 17, 400 tons. For SO_2 emissions, WEPCO will comply with: by 1/1/2005 an emission rate of 0.76 and 86,900 tons, by 1/1/2007 an emission rate of 0.61 and 74,400 tons, by 1/1/2008 an emission rate of 0.45 and 55,400 tons, and by 1/1/2013 an emission rate of 0.32 and 33,300 tons.															http://www2.epa.gov/enforcement/wisconsin-electric-power-company-wepco-clean-air-act-civil-settlement
Presque Isle	Wisconsin	Units 1 – 4	Retire or install SO_2 and NO_x controls	12/31/12	Install and continuously operate FGD (or approved equiv. tech)	95% or 0.1	12/31/12	Install SCR (or approved tech) and continually operate	0.1	12/31/12				The provision did not specify an amount of SO_2 allowances to be surrendered. It only provided that excess allowances resulting from compliance with NSR settlement				
	Wisconsin	Units 5, 6						Install and operate low NO_x burners		12/31/03								

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
	Wisconsin	Units 7, 8						Operate existing low NO_x burners		12/31/05	Install Baghouse			provisions must be retired.					
	Wisconsin	Unit 9						Operate existing low NO_x burners		12/31/06	Install Baghouse								
Pleasant Prairie	Wisconsin	Unit 1			Install and continuously operate FGD (or approved control tech)	95% or 0.1	12/31/06	Install and continuously operate SCR (or approved tech)	0.1	12/31/06									
	Wisconsin	Unit 2			Install and continuously operate FGD (or approved control tech)	95% or 0.1	12/31/07	Install and continuously operate SCR (or approved tech)	0.1	12/31/03									
Oak Creek	Wisconsin	Units 5, 6			Install and continuously operate FGD (or approved control tech)	95% or 0.1	12/31/12	Install and continuously operate SCR (or approved tech)	0.1	12/31/12									
	Wisconsin	Unit 7			Install and continuously operate FGD (or approved control tech)	95% or 0.1	12/31/12	Install and continuously operate SCR (or approved tech)	0.1	12/31/12									
	Wisconsin	Unit 8			Install and continuously operate FGD (or approved control tech)	95% or 0.1	12/31/12	Install and continuously operate SCR (or approved tech)	0.1	12/31/12									
Port Washington	Wisconsin	Units 1 – 4	Retire	12/31/04 for Units 1 – 3. Unit 4 by entry of consent decree															
Valley	Wisconsin	Boilers 1 – 4						Operate existing low NO_x burner		30 days after entry of consent decree									
VEPCO																			
			The Total Permissible NO_x Emissions (in tons) from VEPCO system are: 104,000 in 2003, 95,000 in 2004, 90,000 in 2005, 83,000 in 2006, 81,000 in 2007, 63,000 in 2008 – 2010, 54,000 in 2011, 50,000 in 2012, and 30,250 each year thereafter. Beginning 1/1/2013 they will have a system wide emission rate no greater than 0.15 lbs/mmBTU.																
Mount Storm	West Virginia	Units 1 – 3			Construct or improve FGD	95% or 0.15	01/01/05	Install and continuously operate SCR	0.11	01/01/08				On or before March 31 of every year beginning in 2013 and continuing thereafter, VEPCO shall surrender 45,000 SO_2 allowances.					http://www2.epa.gov/enforcement/virginia-electric-and-power-company-vepco-clean-air-act-caa-settlement
Chesterfield	Virginia	Unit 4						Install and continuously operate SCR	0.1	01/01/13									
	Virginia	Unit 5			Construct or improve FGD	95% or 0.13	10/12/12	Install and continuously operate SCR	0.1	01/01/12									
	Virginia	Unit 6			Construct or improve FGD	95% or 0.13	01/01/10	Install and continuously operate SCR	0.1	01/01/11									
Chesapeake Energy	Virginia	Units 3, 4						Install and continuously operate SCR	0.1	01/01/13									

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
Clover	Virginia	Units 1, 2			Improve FGD	95% or 0.13	09/01/03												
Possum Point	Virginia	Units 3, 4	Retire and repower to natural gas	05/02/03															
Santee Cooper																			
			Santee Cooper shall comply with the following system wide averages for NO_x emission rates and combined tons for emission of: by 1/01/2005 facility shall comply with an emission rate of 0.3 and 30,000 tons, by 1/1/2007 an emission rate of 0.18 and 25,000 tons, by 1/1/2010 and emission rate of 0.15 and 20,000 tons. For SO_2 emission the company shall comply with system wide averages of: by 1/1/2005 an emission rate of 0.92 and 95,000 tons, by 1/1/2007 and emission rate of 0.75 and 85,000 tons, by 1/1/2009 an emission rate of 0.53 and 70 tons, and by 1/1/2011 and emission rate of 0.5 and 65 tons.														
Cross	South Carolina	Unit 1			Upgrade and continuously operate FGD	95%	06/30/06	Install and continuously operate SCR	0.1	05/31/04				The provision did not specify an amount of SO_2 allowances to be surrendered. It only provided that excess allowances resulting from compliance with NSR settlement provisions must be retired.					http://www2.epa.gov/enforcement/south-carolina-public-service-authority-santee-cooper-settlement
	South Carolina	Unit 2			Upgrade and continuously operate FGD	87%	06/30/06	Install and continuously operate SCR	0.11/0.1	05/31/04 and 05/31/07									
Winyah	South Carolina	Unit 1			Install and continuously operate FGD	95%	12/31/08	Install and continuously operate SCR	0.11/0.1	11/30/04 and 11/30/04									
	South Carolina	Unit 2			Install and continuously operate FGD	95%	12/31/08	Install and continuously operate SCR	0.12	11/30/04									
	South Carolina	Unit 3			Upgrade and continuously operate existing FGD	90%	12/31/08	Install and continuously operate SCR	0.14/0.12	11/30/2005 and 11/30/08									
	South Carolina	Unit 4			Upgrade and continuously operate existing FGD	90%	12/31/07	Install and continuously operate SCR	0.13/0.12	11/30/05 and 11/30/08									
Grainger	South Carolina	Unit 1						Operate low NO_x burner or more stringent technology		06/25/04									
	South Carolina	Unit 2						Operate low NO_x burner or more stringent technology		05/01/04									
Jeffries	South Carolina	Units 3, 4	Retire	2012				Operate low NO_x burner or more stringent technology		06/25/04									
OHIO EDISON																			
			Ohio Edison shall achieve reductions of 2,483 tons NO_x between 7/1/2005 and 12/31/2010 using any combination of: 1) low sulfur coal at Burger Units 4 and 5, 2) operating SCRs currently installed at Mansfield Units 1 – 3 during the months of October through April, and/or 3) emitting fewer tons than the Plant-Wide Annual Cap for NO_x required for the Sammis Plant. Ohio Edison must reduce 24,600 tons system-wide of SO_2 by 12/31/2010.														http://www2.epa.gov/enforcement/ohio-edison-company-wh-sammis-power-station-clean-air-act-2005-settlement-and-2009
			No later than 8/11/2005, Ohio Edison shall install and operate low NO_x burners on Sammis Units 1, 2,4,5,6, and 7 and overfired air on Sammis Units 1,2,3,6, and 7. No later than 12/1/2005, Ohio Edison shall install advanced combustion control optimization with software to minimize NO_x emissions from Sammis Units 1 – 5.														
W.H. Sammis Plant	Ohio	Unit 1			Install Induct Scrubber (or approved equiv. control tech)	50% removal or 1.1 lbs/mmBTU	12/31/08	Install SNCR (or approved alt. tech) & operate continuously	0.25	10/31/07				Beginning on 1/1/2006, Ohio Edison may use, sell or transfer any restricted SO_2 only to satisfy the Operational Needs at the Sammis, Burger and Mansfield Plant, or new units within the			Plant-wide NOx Annual Caps: 11,371 tons 7/1/2005 – 12/31/2005; 21,251 tons 2006; 20,596 tons 2007; 18,903 tons 2008; 17,328 tons 2009 – 2010; 14,845 tons 2011; 11,863 2012 onward. Sammis Plant-Wide Annual SO_2 Caps: 58,000 tons SO_2 7/1/2005-12/31/2005; 116,000 tons 1/1/2006 – 12/31/2007; 114,000 tons 1/1/2008-12/31/2008;	
	Ohio	Unit 2			Install Induct Scrubber (or approved equiv. control tech)	50% removal or 1.1 lbs/mmBTU	12/31/08	Operate existing SNCR continuously	0.25	02/15/06									

Company and Plant	State	Unit	Settlement Actions														Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction			
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date		
	Ohio	Unit 3			Install Induct Scrubber (or approved equiv. control tech)	50% removal or 1.1 lbs/mmBTU	12/31/08	Operate low NO_x burners and overfire air by 12/1/05; install SNCR (or approved alt. tech) & operate continuously by 12/31/07	0.25	12/01/05 and 10/31/07				FirstEnergy System that comply with a 96% removal for SO_2. For calendar year 2006 through 2017, Ohio Edison may accumulate SO_2 allowances for use at the Sammis, Burger, and Mansfield plants, or FirstEnergy units equipped with SO_2 Emission Control Standards. Beginning in 2018, Ohio Edison shall surrender unused restricted SO_2 allowances.			101,500 tons 1/1/2009 – 12/31/2010; 29,900 tons 1/1/2011 onward. Sammis Units 1 – 5 are also subject to the following SO_2 Monthly Caps if Ohio Edison installs the improved SO_2 control technology (Unit 5's option A): 3,242 tons May, July, and August 2010; 3,137 tons June and September 2010. Ohio Edison has installed the required SO_2 technology (Unit 5's option B), so the Monthly Caps are: 2,533 tons May, July, and August 2010; 2,451 tons June and September 2010. Add'l Monthly Caps are: 2,533 tons May, July, and August 2011; 2,451 tons June and September 2011 thereafter.	
	Ohio	Unit 4			Install Induct Scrubber (or approved equiv. control tech)	50% removal or 1.1 lbs/mmBTU	06/30/09	Install SNCR (or approved alt. tech) & operate continuously	0.25	10/31/07								
	Ohio	Unit 5			Install Flash Dryer Absorber or ECO_2 (or approved equiv. control tech) & operate continuously	50% removal or 1.1 lbs/mmBTU	06/29/09	Install SNCR (or approved alt. tech) & Operate Continuously	0.29	03/31/08								
	Ohio	Unit 6			Install FGD[3] (or approved equiv. control tech) & operate continuously	95% removal or 0.13 lbs/mmBTU	06/30/11	Install SNCR (or approved alt. tech) & operate continuously	"Minimum Extent Practicable "	06/30/05	Operate Existing ESP Continuously	0.03	01/01/10				In addition to SNCR, settlement requires installation of first SCR (or approved alt tech) on either Unit 6 or 7 by 12/31/2010; second installation by 12/31/2011. Both SCRs must achieve 90% Design Removal Efficiency by 180 days after installation date. Each SCR must provide a 30-Day Rolling average. NO_x Emission Rate of 0.1 lbs/mmBTU starting 180 days after installation dates above.	
	Ohio	Unit 7			Install FGD (or approved equiv. control tech) & operate continuously	95% removal or 0.13 lbs/mmBTU	06/30/11	Operate existing SNCR Continuously	"Minimum Extent Practicable "	08/11/05	Operate Existing ESP Continuously	0.03	01/01/10					
Mansfield Plant	Pennsylvania	Unit 1			Upgrade existing FGD	95%	12/31/05										Additional Mansfield Plant-wide SO_2 reductions are as follows: 4,000 tons in 2006, 8,000 tons in 2007, and 12,000 tons/yr for every year after. Settlement allows relinquishment of SO_2 requirement upon shutdown of unit, after which the SO_2 reductions must be made by another plant(s).	
	Pennsylvania	Unit 2			Upgrade existing FGD	95%	12/31/06											
	Pennsylvania	Unit 3			Upgrade existing FGD	95%	10/31/07											
Eastlake	Ohio	Unit 5						Install low NO_x burners, over-fired air and SNCR & operate continuously	"Minimize Emissions to the Extent Practicable "	12/31/06							Settlement requires Eastlake Plant to achieve additional reductions of 11,000 tons of NO_x per year commencing in calendar year 2007, and no less than 10,000 tons must come from this unit. The extra 1,000 tons may come from this unit or another unit in the region. Upon shutdown of Eastlake, another plant must achieve these reductions.	
Burger	Ohio	Unit 4	Repower with at least 80% biomass fuel, up to 20% low sulfur coal OR Retire by 12/31/2010	12/31/11														
	Ohio	Unit 5		12/31/11														

Company and Plant	State	Unit	Settlement Actions														Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction			
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date		
MIRANT[1,6]																		
			System-wide NO_x Emission Annual Caps: 36,500 tons 2004; 33,840 tons 2005; 33,090 tons 2006; 28,920 tons 2007; 22,000 tons 2008; 19,650 tons 2009; 16,000 tons 2010 onward. System-wide NO_x Emission Ozone Season Caps: 14,700 tons 2004; 13,340 tons 2005; 12,590 tons 2006; 10,190 tons 2007; 6,150 tons 2008 – 2009; 5,200 tons 2010 thereafter. Beginning on 5/1/2008, and continuing for each and every Ozone Season thereafter, the Mirant System shall not exceed a System-wide Ozone Season Emission Rate of 0.150 lbs/mmBTU NO_x.														
Potomac River Plant	Virginia	Unit 1	Retire	12/21/2012														http://www2.epa.gov/enforcement/mirant-clean-air-settlement
	Virginia	Unit 2																
	Virginia	Unit 3						Install low NO_x burners (or more effective tech) & operate continuously		05/01/04							Settlement requires installation of Separated Overfire Air tech (or more effective technology) by 5/1/2005. Plant-wide Ozone Season NO_x Caps: 1,750 tons 2004; 1,625 tons 2005; 1,600 tons 2006 – 2009; 1,475 tons 2010 thereafter. Plant-wide annual NO_x Caps are 3,700 tons in 2005 and each year thereafter.	
	Virginia	Unit 4						Install low NO_x burners (or more effective tech) & operate continuously		05/01/04								
	Virginia	Unit 5						Install low NO_x burners (or more effective tech) & operate continuously		05/01/04								
Morgantown Plant	Maryland	Unit 1						Install SCR (or approved alt. tech) & operate continuously	0.1	05/01/07								
	Maryland	Unit 2						Install SCR (or approved alt. tech) & operate continuously	0.1	05/01/08								
Chalk Point	Maryland	Unit 1			Install and continuously operate FGD (or equiv. technology)	95%	06/01/10							For each year after Mirant commences FGD operation at Chalk Point, Mirant shall surrender the number of SO_2 Allowances equal to the amount by which the SO_2 Allowances allocated to the Units at the Chalk Point Plant are greater than the total amount of SO_2 emissions allowed under this Section XVIII.			Mirant must install and operate FGD by 6/1/2010 if authorized by court to reject ownership interest in Morgantown Plant, or by no later than 36 months after they lose ownership interest of the Morgantown Plant. [Installed]	
	Maryland	Unit 2			Install and continuously operate FGD (or equiv. technology)	95%	06/01/10											
ILLINOIS POWER																		
			System-wide NO_x Emission Annual Caps: 15,000 tons 2005; 14,000 tons 2006; 13,800 tons 2007 onward. System-wide SO_2 Emission Annual Caps: 66,300 tons 2005 – 2006; 65,000 tons 2007; 62,000 tons 2008 – 2010; 57,000 tons 2011; 49,500 tons 2012; 29,000 tons 2013 onward.															http://www2.epa.gov/enforcement/illinois-power-company-and-dynegy-midwest-generation-settlement
Baldwin	Illinois	Unit 1			Install wet or dry FGD (or approved equiv. alt. tech) & operate continuously	0.1	12/31/11	Operate OFA & existing SCR continuously	0.1	08/11/05	Install & continuously operate Baghouse	0.015	12/31/10	By year end 2008, Dynegy will surrender 12,000 SO_2 emission allowances, by year end 2009 it will surrender 18,000, by				

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
	Illinois	Unit 2			Install wet or dry FGD (or approved equiv. alt. tech) & operate continuously	0.1	12/31/11	Operate OFA & existing SCR continuously	0.1	08/11/05	Install & continuously operate Baghouse	0.015	12/31/10	year end 2010 it will surrender 24,000, any by year end 2011 and each year thereafter it will surrender 30,000 allowances. If the surrendered allowances result in insufficient remaining allowances allocated to the units comprising the DMG system, DMG can request to surrender fewer SO_2 allowances.				
	Illinois	Unit 3			Install wet or dry FGD (or approved equiv. alt. tech) & operate continuously	0.1	12/31/11	Operate OFA and/or low NO_x burners	0.12 until 12/30/12; 0.1 from 12/31/12	08/11/05 and 12/31/12	Install & continuously operate Baghouse	0.015	12/31/10					
Havana	Illinois	Unit 6			Install wet or dry FGD (or approved equiv. alt. tech) & operate continuously	1.2 lbs/mmBTU until 12/30/2012; 0.1 lbs/mmBTU from 12/31/2012 onward	08/11/05 and 12/31/12	Operate OFA and/or low NO_x burners & operate existing SCR continuously	0.1	08/11/05	Install & continuously operate Baghouse, then install ESP or alt. PM equip	For Bag-house: .015 lbs/mmBTU; For ESP: .03 lbs/mmBTU	For Baghouse: 12/31/12; For ESP: 12/31/05					
Hennepin	Illinois	Unit 1				1.2	07/27/05	Operate OFA and/or low NO_x burners	"Minimum Extent Practicable"	08/11/05	Install ESP (or equiv. alt. tech) & continuously operate ESPs	0.03	12/31/06				Settlement requires first installation of ESP at either Unit 1 or 2 on 12/31/2006; and on the other by 12/31/2010.	
	Illinois	Unit 2				1.2	07/27/05	Operate OFA and/or low NO_x burners	"Minimum Extent Practicable"	08/11/05	Install ESP (or equiv. alt. tech) & continuously operate ESPs	0.03	12/31/06					
Vermilion	Illinois	Unit 1				1.2	01/31/07	Operate OFA and/or low NO_x burners	"Minimum Extent Practicable"	08/11/05	Install ESP (or equiv. alt. tech) & continuously operate ESPs	0.03	12/31/10					

Company and Plant	State	Unit	Settlement Actions														Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction			
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date		
Wood River	Illinois	Unit 2				1.2	01/31/07	Operate OFA and/or low NO_x burners	"Minimum Extent Practicable"	08/11/05	Install ESP (or equiv. alt. tech) & continuously operate ESPs	0.03	12/31/10					
	Illinois	Unit 4				1.2	07/27/05	Operate OFA and/or low NO_x burners	"Minimum Extent Practicable"	08/11/05	Install ESP (or equiv. alt. tech) & continuously operate ESPs	0.03	12/31/05				Settlement requires first installation of ESP at either Unit 4 or 5 on 12/31/2005; and on the other by 12/31/2007.	
	Illinois	Unit 5				1.2	07/27/05	Operate OFA and/or low NO_x burners	"Minimum Extent Practicable"	08/11/05	Install ESP (or equiv. alt. tech) & continuously operate ESPs	0.03	12/31/05					
Kentucky Utilities Company																		
EW Brown Generating Station	Kentucky	Unit 3			Install FGD	97% or 0.100	12/31/10	Install and continuously operate SCR by 12/31/2012, continuously operate low NO_x boiler and OFA.	0.07	12/31/12	Continuously operate ESP	0.03	12/31/10	KU must surrender 53,000 SO_2 allowances of 2008 or earlier vintage by March 1, 2009. All surplus NO_x allowances must be surrendered through 2020.	SO_2 and NO_x allowances may not be used for compliance, and emissions decreases for purposes of complying with the Consent Decree do not earn credits.		Annual SO_2 cap is 31,998 tons through 2010, then 2,300 tons each year thereafter. Annual NO_x cap is 4,072 tons.	http://www2.epa.gov/enforcement/kentucky-utilities-company-clean-air-act-settlement
Salt River Project Agricultural Improvement and Power District (SRP)																		
Coronado Generating Station	Arizona	Unit 1 or Unit 2			Immediately begin continuous operation of existing FGDs on both units, install new FGD.	95% or 0.08	New FGD installed by 1/1/2012	Install and continuously operate low NO_x burner and SCR	0.32 prior to SCR installation, 0.080 after	LNB by 06/01/2009, SCR by 06/01/2014	Optimization and continuous operation of existing ESPs.	0.03	Optimization begins immediately, rate limit begins 01/01/12 (date of new FGD installation)	Beginning in 2012, all surplus SO_2 allowances for both Coronado and Springerville Unit 4 must be surrendered through 2020. The allowances limited by this condition may, however, be used for compliance at a prospective future plant using	SO_2 and NO_x allowances may not be used for compliance, and emissions decreases for purposes of complying with the Consent Decree do not earn credits.		Annual plant-wide NO_x cap is 7,300 tons after 6/1/2014.	http://www2.epa.gov/enforcement/salt-river-project-agriculture-improvement-and-power-district-settlement

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
	Arizona	Unit 1 or Unit 2			Install new FGD	95% or 0.08	01/01/13	Install and continuously operate low NO_x burner	0.32	06/01/11			Optimization begins immediately, rate limit begins 01/01/13 (date of new FGD installation)	BACT and otherwise specified in par. 54 of the consent decree.					
American Electric Power																			
Eastern System-Wide [Modified Limits for SO_2]						Annual Cap (tons)	Year												http://www.ct.gov/ag/lib/ag/press_releases/2013/20130225_aep_cdmod.pdf
						145,000	2016-2018												
						113,000	2019-2021												
						110,000	2022-2025												
						102,000	2026-2028												
						94,000	2029 and thereafter												
Eastern System-Wide						Annual Cap (tons)	Year		Annual Cap (tons)	Year				NO_x and SO_2 allowances that would have been made available by emission reductions pursuant to the Consent Decree must be surrendered.	NO_x and SO_2 allowances may not be used to comply with any of the limits imposed by the Consent Decree. The Consent Decree includes a formula for calculating excess NO_x allowances relative to the CSAPR Allocations, and restricts the use of some. See par. 74-79 for details. Reducing emissions below the Eastern System-Wide Annual Tonnage Limitations for NO_x and SO_2 earns supercompliant allowances.			http://www2.epa.gov/enforcement/american-electric-power-service-corporation
						450,000	2010		96,000	2009									
						450,000	2011		92,500	2010									
						420,000	2012		92,500	2011									
						350,000	2013		85,000	2012									
						340,000	2014		85,000	2013									
						275,000	2015		85,000	2014									
						260,000	2016		75,000	2015									
						235,000	2017		72,000	2016 and thereafter									
						184,000	2018												
						174,000	2019 and thereafter												
At least 600MW from various units	West Virginia	Sporn 1 – 4	Retire, retrofit, or re-power	12/31/18														Sporn 1-4 will be retired	
	Virginia	Clinch River 1 – 3																	
	Indiana	Tanners Creek 1 – 3																	
	West Virginia	Kammer 1 – 3																Kammer 1-3 will be retired	

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
Amos	West Virginia	Unit 1			Install and continuously operate FGD		12/31/09	Install and continuously operate SCR		01/01/08									
	West Virginia	Unit 2			Install and continuously operate FGD		12/31/10	Install and continuously operate SCR		01/01/09									
	West Virginia	Unit 3			Install and continuously operate FGD		12/31/09	Install and continuously operate SCR		01/01/08									
Big Sandy	Kentucky	Unit 1			Burn only coal with no more than 1.75 lbs/mmBTU annual average		Date of entry	Continuously operate low NO_x burners		Date of entry									
	Kentucky	Unit 2			Install and continuously operate FGD		12/31/15	Install and continuously operate SCR		01/01/09									
Cardinal	Ohio	Unit 1			Install and continuously operate FGD		12/31/08	Install and continuously operate SCR		01/01/09	Continuously operate ESP	0.03	12/31/09						
	Ohio	Unit 2			Install and continuously operate FGD		12/31/08	Install and continuously operate SCR		01/01/09	Continuously operate ESP	0.03	12/31/09						
	Ohio	Unit 3			Install and continuously operate FGD		12/31/12	Install and continuously operate SCR		01/01/09									
Clinch River	Virginia	Units 1 – 3				Plant-wide annual cap: 21,700 tons from 2010 to 2014, then 16,300 after 1/1/2015	2010 – 2014, 2015 and thereafter	Continuously operate low NO_x burners		Date of entry									
Conesville	Ohio	Unit 1	Retire, retrofit, or re-power	Date of entry															
	Ohio	Unit 2	Retire, retrofit, or re-power	Date of entry															
	Ohio	Unit 3	Retire, retrofit, or re-power	12/31/12															
	Ohio	Unit 4			Install and continuously operate FGD		12/31/10	Install and continuously operate SCR		12/31/10									
	Ohio	Unit 5			Upgrade existing FGD	95%	12/31/09	Continuously operate low NO_x burners		Date of entry									
	Ohio	Unit 6			Upgrade existing FGD	95%	12/31/09	Continuously operate low NO_x burners		Date of entry									
Gavin	Ohio	Unit 1			Install and continuously operate FGD		Date of entry	Install and continuously operate SCR		01/01/09									

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
	Ohio	Unit 2			Install and continuously operate FGD		Date of entry	Install and continuously operate SCR		01/01/09									
Glen Lynn	Virginia	Units 1 – 3																	
	Virginia	Units 5, 6			Burn only coal with no more than 1.75 lbs/mmBTU annual average		Date of entry	Continuously operate low NO_x burners		Date of entry									
Kammer	West Virginia	Units 1 – 3				Plant-wide annual cap: 35,000	01/01/10	Continuously operate over-fire air		Date of entry									
Kanawha River	West Virginia	Units 1, 2			Burn only coal with no more than 1.75 lbs/mmBTU annual average		Date of entry	Continuously operate low NO_x burners		Date of entry									
Mitchell	West Virginia	Unit 1			Install and continuously operate FGD		12/31/07	Install and continuously operate SCR		01/01/09									
	West Virginia	Unit 2			Install and continuously operate FGD		12/31/07	Install and continuously operate SCR		01/01/09									
Mountaineer	West Virginia	Unit 1			Install and continuously operate FGD		12/31/07	Install and continuously operate SCR		01/01/08									
Muskingum River	Ohio	Units 1 – 4	Retire, retrofit, or re-power	12/31/15															
	Ohio	Unit 5			Install and continuously operate FGD		12/31/15	Install and continuously operate SCR		01/01/08	Continuously operate ESP	0.03	12/31/02						
Picway	Ohio	Unit 9						Continuously operate low NO_x burners		Date of entry									
Rockport			Rockport Units 1 & 2 shall not exceed an Annual Tonnage Limit of 28 MTons of SO_2 in 2016- 2017, 26 Mtons in 2018-2019, 22 MTons in 2020-2025, 18 MTons in 2026-2028 and 10 MTons in 2029 and each year thereafter.														
	Indiana	Unit 1			Install DSI Install and continuously operate FGD		4/16/2015 12/31/2025	Install and continuously operate SCR		12/31/25									
	Indiana	Unit 2			Install DSI Install and continuously operate FGD		4/16/2015 12/31/2028	Install and continuously operate SCR		12/31/28									
Sporn	West Virginia	Unit 5	Retire, retrofit, or re-power	12/31/13															
Tanners Creek	Indiana	Units 1 – 3			Burn only coal with no more than 1.2 lbs/mmBTU annual average		Date of entry	Continuously operate low NO_x burners		Date of entry									

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
	Indiana	Unit 4			Burn only coal with no more than 1.2% sulfur content annual average		Date of entry	Continuously operate over-fire air		Date of entry									
East Kentucky Power Cooperative Inc.																			
Dale Plant	Kentucky	Unit 1						Install and continuously operate low NO_x burners by 10/31/2007	0.46	01/01/08				EKPC must surrender 1,000 NO_x allowances immediately under the ARP, and 3,107 under the NO_x SIP Call. EKPC must also surrender 15,311 SO_2 allowances.		Date of entry			
	Kentucky	Unit 2						Install and continuously operate low NO_x burners by 10/31/2007	0.46	01/01/08									
System-wide	Kentucky		By 12/31/2009, EKPC shall choose whether to: 1) install and continuously operate NO_x controls at Cooper 2 by 12/31/2012 and SO_2 controls by 6/30/2012 or 2) retire Dale 3 and Dale 4 by 12/31/2012.																
						12-month rolling limit (tons)	Start of 12-month cycle		12-month rolling limit (tons)	Start of 12-month cycle									
					System-wide 12-month rolling tonnage limits apply	57,000	10/01/08	All units must operate low NO_x boilers	11,500	01/01/08	PM control devices must be operated continuously system-wide, ESPs must be optimized within 270 days of entry date, or EKPC may choose to submit a PM Pollution Control Upgrade Analysis.	0.03	1 year from entry date	All surplus SO_2 allowances must be surrendered each year, beginning in 2008.	SO_2 and NO_x allowances may not be used to comply with the Consent Decree. NO_x allowances that would become available as a result of compliance with the Consent Decree may not be sold or traded. SO_2 and NO_x allowances allocated to EKPC must be used within the EKPC system. Allowances made available due to supercompliance may be sold or traded.			http://www2.epa.gov/enforcement/east-kentucky-power-cooperative-settlement
						40,000	07/01/11		8,500	01/01/13									
						28,000	01/01/13		8,000	01/01/15									
Spurlock	Kentucky	Unit 1			Install and continuously operate FGD	95% or 0.1	6/30/2011	Continuously operate SCR	0.12 for Unit 1 until 01/01/2013, at which point the unit limit drops to 0.1. Prior to 01/01/2013, the combined average when both units are operating must be no more than 0.1	60 days after entry									

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
	Kentucky	Unit 2			Install and continuously operate FGD by 10/1/2008	95% or 0.1	1/1/2009	Continuously operate SCR and OFA	0.1 for Unit 2, 0.1 combined average when both units are operating	60 days after entry									
Dale Plant	Kentucky	Unit 3	EKPC may choose to retire Dale 3 and 4 in lieu of installing controls in Cooper 2	12/31/2012															
	Kentucky	Unit 4																	
Cooper	Kentucky	Unit 1																	
	Kentucky	Unit 2			If EKPC opts to install controls rather than retiring Dale, it must install and continuously operate FGD or equiv. technology	95% or 0.10		If EKPC elects to install controls, it must continuously operate SCR or install equiv. technology	0.08 (or 90% if non-SCR technology is used)	12/31/12								EKPC has installed a DFGD on this unit and Dale continues to operate.	
Nevada Power Company																			
			Beginning 1/1/2010, combined NO_x emissions from Units 5, 6, 7, and 8 must be no more than 360 tons per year.																
Clark Generating Station	Nevada	Unit 5	Units may only fire natural gas					Increase water injection immediately, then install and operate ultra-low NO_x burners (ULNBs) or equivalent technology. In 2009, Units 5 and 8 may not emit more than 180 tons combined	5ppm 1-hour average	12/31/08 (ULNB installation), 01/30/09 (1-hour average)					Allowances may not be used to comply with the Consent Decree, and no allowances made available due to compliance with the Consent Decree may be traded or sold.				http://www2.epa.gov/enforcement/nevada-power-company-clean-air-act-caa-settlement
	Nevada	Unit 6							5ppm 1-hour average	12/31/09 (ULNB installation), 01/30/10 (1-hour average)									
	Nevada	Unit 7							5ppm 1-hour average	12/31/09 (ULNB installation), 01/30/10 (1-hour average)									
	Nevada	Unit 8							5ppm 1-hour average	12/31/08 (ULNB installation), 01/30/09 (1-hour average)									
Dayton Power & Light																			
			Non-EPA Settlement of 10/23/2008																
Stuart Generating Station	Ohio	Station-wide			Complete installation of FGDs on each unit.	96% or 0.10	07/31/09	Owners may not purchase any new catalyst with SO_2 to SO_3 conversion rate greater than 0.5%	0.17 station-wide	30 days after entry		0.030 lbs per unit	07/31/09		NO_x and SO_2 allowances may not be used to comply with the monthly rates specified in the Consent Decree.				

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
									0.17 station-wide	60 days after entry date									
						82% including data from periods of malfunctions	7/31/09 through 7/30/11	Install control technology on one unit	0.10 on any single unit	12/31/12		Install rigid-type electro-des in each unit's ESP	12/31/15						
						82% including data from periods of malfunctions	after 7/31/11		0.15 station-wide	07/01/12									
									0.10 station-wide	12/31/14									
PSEG FOSSIL, Amended Consent Decree of November 2006																			
Kearny	New Jersey	Unit 7	Retire unit	01/01/07										Allowances allocated to Kearny, Hudson, and Mercer may only be used for the operational needs of those units, and all surplus allowances must be surrendered. Within 90 days of amended Consent Decree, PSEG must surrender 1,230 NO_x Allowances and 8,568 SO_2 Allowances not already allocated to or generated by the units listed here. Kearny allowances must be surrendered with the shutdown of those units.				http://www2.epa.gov/enforcement/pseg-fossil-llc-settlement
	New Jersey	Unit 8	Retire unit	01/01/07															
Hudson	New Jersey	Unit 2			Install Dry FGD (or approved alt. technology) and continually operate	0.15	12/31/10	Install SCR (or approved tech) and continually operate	0.1	12/31/10	Install Baghouse (or approved technology)	0.015	12/31/10						
						Annual Cap (tons)	Year		Annual Cap (tons)	Year									
						5,547	2007		3,486	2007									
						5,270	2008		3,486	2008									
						5,270	2009		3,486	2009									
						5,270	2010		3,486	2010									
Mercer	New Jersey	Unit 1			Install Dry FGD (or approved alt. technology) and continually operate	0.15	12/31/10	Install SCR (or approved tech) and continually operate	0.1	01/01/07	Install Baghouse (or approved technology)	0.015	12/31/10						
	New Jersey	Unit 2			Install Dry FGD (or approved alt. technology) and continually operate	0.15	12/31/10	Install SCR (or approved tech) and continually operate	0.1	01/01/07	Install Baghouse (or approved technology)	0.015	12/31/10						
Westar Energy																			

Company and Plant	State	Unit	Settlement Actions														Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction			
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date		
Jeffrey Energy Center	Kansas	All units			Units 1, 2, and 3 have a total annual limit of 6,600 tons of SO_2 starting 2011 Units 1, 2, and 3 must all install FGDs by 2011 and operate them continuously. FGDs must maintain a 30-Day Rolling Average Unit Removal Efficiency for SO_2 of at least 97% or a 30-Day Rolling Average Unit Emission Rate for SO_2 of no greater than 0.070 lbs/mmBTU.			Units 1-3 must continuously operate Low NO_x Combustion Systems by 2012 and achieve and maintain a 30-Day Rolling Average Unit Emission Rate for NO_x of no greater than 0.180 lbs/mmBTU. One of the three units must install an SCR by 2015 and operate it continuously to maintain a 30-Day Rolling Average Unit Emission Rate for NO_x of no greater than 0.080 lbs/mmBTU. By 2013 Westar shall elect to either (a) install a second SCR on one of the other JEC Units by 2017 or (b) meet a 0.100 lbs/mmBTU Plant-Wide 12-Month Rolling Average Emission Rate for NO_x by 2015			Units 1, 2, and 3 must operate each ESP and FGD system continuously by 2011 and maintain a 0.030 lbs/mmBTU PM Emissions Rate. Units 1 and 2's ESPs must be rebuilt by 2014 in order to meet a 0.030 lbs/mmBTU PM Emissions Rate							http://www2.epa.gov/enforcement/westar-energy-inc-settlement
Duke Energy																		
Gallagher	Indiana	Units 1 & 3	Retire or repower as natural gas	1/1/2012														http://www2.epa.gov/enforcement/duke-energy-gallagher-plant-clean-air-act-settlement
		Units 2 & 4			Install Dry sorbent injection technology	80%	1/1/2012											
American Municipal Power																		
Gorsuch Station	Ohio	Units 2 & 3	Elected to Retire Dec 15, 2010 (must retire by Dec 31, 2012)															http://www2.epa.gov/enforcement/american-municipal-power-clean-air-act-settlement
		Units 1 & 4																
Hoosier Energy Rural Electric Cooperative																		
Ratts	Indiana	Units 1 & 2						Install & continually operate SNCRS	0.25	12/31/2011	Continuously operate ESP			Annually surrender any NO_x and SO_2 allowances that Hoosier does not need in order to meet its regulatory obligations				http://www2.epa.gov/enforcement/hoosier-energy-rural-electric-cooperative-inc-settlement
Merom	Indiana	Unit 1			Continuously run current FGD for 90% removal and update FGD for 98% removal by 2012	98%	2012	Continuously operate existing SCRs	0.12		Continuously operate ESP and achieve PM rate no greater than 0.007 by 6/1/12							
		Unit 2			Continuously run current FGD for 90% removal and update FGD for 98% removal by 2014	98%	2014				Continuously operate ESP and achieve PM rate no greater than 0.007 by 6/1/13							
Northern Indiana Public Service Co.																		
Bailly	Indiana	Units 7 & 8			Upgrade existing FGD	95% by 01/01/11 97% by 01/01/14 (95% if low sulfur coal only is burned)		OFA & SCR	0.15 lbs/mmBTU by 12/31/10 0.13 lbs/mmBTU by 12/31/13 0.12 lbs/mmBTU by 12/31/15			0.3 lbs/mmBTU (0.015 if a Baghouse is installed)	12/31/2010					http://www2.epa.gov/enforcement/northern-indiana-public-service-company-

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
Michigan City	Indiana	Unit 12			FGD	0.1 lbs/mmBTU	12/31/2018	OFA & SCR	0.14 lbs/mmBTU by 12/31/10 0.12 lbs/mmBTU by 12/31/11 0.10 lbs/mmBTU by 12/31/13			0.3 lbs/mmBTU (0.015 if a Baghouse is installed)	12/31/2018						clean-air-act-settlement
Schahfer	Indiana	Unit 14			FGD	0.08 lbs/mmBTU	12/31/2013	OFA & SCR	0.14 lbs/mmBTU by 12/31/10 0.12 lbs/mmBTU by 12/31/12 0.10 lbs/mmBTU by 12/31/14			0.3 lbs/mmBTU (0.015 if a baghouse is installed)	12/31/2013						
	Indiana	Unit 15			FGD	0.08 lbs/mmBTU	12/31/2015	LNB/OFA	0.16	3/31/2011		0.3 lbs/mmBTU (0.015 if a baghouse is installed)	12/31/2015						
								Either: SCR or SNCR	0.08	12/31/2015									
									0.15	12/31/2012									
	Indiana	Units 17 & 18			Upgrade existing FGD	97%	1/31/2011	LNB/OFA	0.2	3/31/2011		0.3 lbs/mmBTU (0.015 if a baghouse is installed)	12/31/2010						
Dean H Mitchell	Indiana	Units 4, 5, 6, & 11	Retire	12/31/2010															
Tennessee Valley Authority																			
Colbert	Alabama	Units 1-4			FGD		6/30/2016	SCR		6/30/2016				Shall surrender all calendar year NO_x and SO_2 Allowances allocated to TVA that are not needed for compliance with its own CAA reqts. Allocated allowances may be used for TVA's own compliance with CAA reqts.	Shall not use NO_x or SO_2 Allowances to comply with any requirement of the Consent Decree, Nothing prevents TVA from purchasing or otherwise obtaining NO_x and SO_2 allowances from other sources for its compliance with CAA reqts. TVA may sell, bank, use, trade, or transfer any NO_x and SO_2 Super-Compliance" Allowances resulting from meeting System-wide limits. Except that reductions used to support new CC/CT will not be Super Allowances in that year and thereafter.	2011		http://www2.epa.gov/enforcement/tennessee-valley-authority-clean-air-act-settlementl
		Unit 5			FGD		12/31/15	SCR		Effective Date									
Widows Creek	Alabama	Units 1 - 6	Retire 2 units 7/31/13 Retire 2 units 7/31/14 Retire 2 units 7/31/15																
		Unit 7			Continuously operate FGD			SCR		Effective Date									
		Unit 8			Continuously operate FGD			SCR		Effective Date									
Paradise	Kentucky	Units 1 & 2			Upgrade FGD	93%	12/31/12	SCR		Effective Date									
		Unit 3			Wet FGD		Effective Date	SCR		Effective Date									
Shawnee	Kentucky	Units 1 & 4			FGD	1.2	12/31/17	SCR		12/31/17									
		Units 5 - 10				1.2	Effective Date												
Allen	Tennessee	Units 1 - 3			FGD		12/31/18	Continuously operate SCR				0.3	12/31/18						
Bull Run	Tennessee	Unit 1			Wet FGD		Effective Date	Continuously operate SCR				0.3	Effective Date						
Cumberland	Tennessee	Units 1 & 2			Wet FGD		Effective Date	Continuously operate SCR											
Gallatin	Tennessee	Units 1 - 4			FGD		12/31/17	SCR		12/31/17		0.3	12/31/17						
John Sevier	Tennessee	Units 1 & 2	Retire 2 Units 12/31/12 and 12/31/15																
		Units 3 & 4			FGD		12/31/15	SCR		12/31/15									
Johnsonville	Tennessee	Units 1 - 10	Retire 6 Units 12/31/15 Retire 4 Units 12/31/17																

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
Kingston	Tennessee	Units 1 - 9			FGD		Effective Date	SCR		Effective Date		0.3	Effective Date						
Wisconsin Public Service																			
Pulliam	Wisconsin	Units 5-6	Retire, refuel or repower as natural gas	6/1/2015		0.750 lbs/mmBTU	1/1/2013 until retirement												
	Wisconsin	Units 7-8				0.750 lbs/mmBTU & plant-wide cap of 2100 tons starting 2016	1/1/2013		0.250 lbs/mmBTU & plant-wide cap of 1500 tons starting 2016	12/31/12								The modeled SO_2 rate in IPM is lower; only tonnage limitation imposed through a constraint.	
Weston	Wisconsin	Unit 1				0.750 lbs/mmBTU	1/1/2013 until retirement		0.250 lbs/mmBTU	12/31/2012 until retirement									http://www2.epa.gov/enforcement/wisconsin-public-service-corporation-settlement
	Wisconsin	Units 2	Retire, refuel or repower as natural gas	6/1/2015		0.750 lbs/mmBTU	1/1/2013 until retirement		0.280 lbs/mmBTU	12/31/2012 until retirement									
	Wisconsin	Units 3			ReACT by 12/31/2016	0.750 lbs/mmBTU until 2016 0.080 lbs/mmBTU 2016 onwards	12/31/16	ReACT by 12/31/2016	0.130 lbs/mmBTU until 2016 0.100 lbs/mmBTU 2016 onwards	12/31/16									
	Wisconsin	Units 4			Continuously Operate the existing DFGD & burn only Powder River Basin Coal	0.080 lbs/mmBTU	2/31/2013	Continuously Operate the existing SCR	0.060 lbs/mmBTU	2/31/2013									
Louisiana Generating LLC																			
			Plant-Wide Annual Tonnage Limitations for SO_2 is 18,950 tons in 2016 and thereafter					Plant-Wide Annual Tonnage Limitations for NO_x is 8,950 tons in 2015 and thereafter											
Big Cajun 2	Louisiana	Unit 1	Retirement, Refueling, Repowering, or Retrofit	04/01/25	install and Continuously Operate DSI — install and Continuously Operate Dry FGD	0.380 lbs/mmBTU [2015] — 0.070 lbs/mmBTU	4/15/2015 [DSI] — 4/1/2025 [DFGD]	install and Continuously Operate SNCR	0.150 lbs/mmBTU	05/01/14	Continuously Operate each ESP	0.030 lbs/mmBTU	04/15/15					May trade Super-Compliant Allowances, may buy external allowances to comply. "Commencing January 1, 2013, and continuing thereafter, Settling Defendant shall burn only coal with no greater sulfur content than 0.45 percent by weight on a dry basis at Big Cajun II Units 1 and 3. "	http://www2.epa.gov/enforcement/louisiana-generating-settlement
		Unit 2	Refuel/convert to NG fired	04/15/15				install and Continuously Operate SNCR	0.150 lbs/mmBTU	05/01/14									
		Unit 3						install and Continuously Operate SNCR	0.135 lbs/mmBTU	05/01/14	Continuously Operate each ESP	0.030 lbs/mmBTU	04/15/15						

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
Dairyland Power Cooperative																			
Dairyland Power Cooperative shall not exceed an Annual Plant-wide Tonnage Limitation of 6800 tons of NO_x in calendar years 2016, 3700 tons 2017-2019, and 3200 tons in 2020 and thereafter; and an Annual Plant-wide Tonnage Limitation of 6070 tons of SO_2 in 2016, 6060 tons 2017-2019 and 4580 tons in 2020 and thereafter.																			
Alma	Wisconsin	Unit 1	Cease Burning Coal	06/30/12															
		Unit 2	Cease Burning Coal	06/30/12															
		Unit 3	Cease Burning Coal	06/30/12															
		Unit 4	**Option 2**: Retrofit and Regulate both units more stringently	12/31/14	Install and continuously operate DFGD or DSI at Alma 4	1.00 lbs/mmBTU at Alma 4 And a joint cap of 3,737 tons until 2019, and 2,242 tons thereafter. In the event that one retires, Tonnage Cap of 2,136 tons for the remaining unit until 2019 and 1,282 tons thereafter	12/31/2014	Continuously Operate the existing Low NO_x Combustion System (including OFA) and SNCR	0.350 lbs/mmBTU — Joint cap of 1308 tons for-until 2019, and 785 tons thereafter. In the event that one retires, Tonnage Cap of 746 tons for remaining unit until 2019 and 449 tons thereafter	8/1/2012 — 12/31/2014	Continuously Operate an ESP or FF on Alma Unit 4	0.030 lbs/mmBTU [with ESP] 0.015 lbs/mmBTU [with FF] at Alma 4. Joint cap of 112 tons until 2019, and 67 tons thereafter. In the event that one retires, Tonnage Cap of 64 tons for the remaining unit until 2019 and 39 tons thereafter	12/31/14				Dairyland was provided with two options for compliance. It chose Option 2 and it is the one modeled in IPM. Details on Option 1 can be found in the settlement document referenced in the adjoining column	http://www2.epa.gov/enforcement/dairyland-power-cooperative-settlement
		Unit 5																	
J.P. Madgett	Wisconsin	Unit 1			Install and continuously operate DFGD	0.090 lbs/mmBTU	12/31/14	Continuously Operate existing Low NO_x Combustion System — Install an SCR	0.30 lbs/mmBTU — 0.080 lbs/mmBTU	8/1/2012 — 6/30/2016	Continuously Operate the existing Baghouse	0.0150 lbs/mmBTU	07/01/13						
Genoa	Wisconsin	Unit 1			Continuously Operate the FGD	0.090 lbs/mmBTU	12/31/12	Continuously Operate existing Low NO_x Combustion System including OFA — Install an SNCR	0.14 lbs/mmBTU — Annual Tonnage Cap of 1,140 tons	12/31/2014 — 6/1/2015	Continuously Operate the existing Baghouse	0.0150 lbs/mmBTU	07/01/13						
Dominion Energy, Inc.																			
			In calendar year 2014, and in each calendar year thereafter, Kincaid shall not exceed a Plant-Wide Annual Tonnage Limitation of 3,500 tons of NO_x & 4,400 tons of SO_2, and Brayton Point shall not exceed a Plant-Wide Annual Tonnage Limitation of 4,600 tons of NO_x & 4,100 tons of SO_2.																
Brayton Point	Massachusetts	Unit 1			Continuously Operate the existing dry FGD	0.150 lbs/mmBTU	06/01/13	Continuously Operate the SCR, OFA, and LNB	0.080 lbs/mmBTU	05/01/13	Install/Continuously Operate a Baghouse	0.015 lbs/mmBTU [PM by 2013]	06/01/13						http://www2.epa.gov/enforcement/dominion-energy-inc

Company and Plant	State	Unit	Settlement Actions														Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction			
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date		
		Unit 2						Continuously Operate the LNB and OFA	0.280 lbs/mmBTU	05/02/13		0.01 lbs/mmBTU [PM post-2013]						
		Unit 3			Continuously Operate dry FGD	0.080 lbs/mmBTU	07/01/13	Continuously Operate the SCR, OFA, and LNB	0.080 lbs/mmBTU	05/01/13	Install/Continuously Operate a Baghouse	0.015 lbs/mmBTU [PM by 2013] 0.01 lbs/mmBTU [PM post-2013]	07/01/13					
Kincaid Power Station	Illinois	Unit 1			Continuously Operate DSI	0.100 lbs/mmBTU	01/01/14	Continuously Operate each SCR and OFA	0.080 lbs/mmBTU	05/01/13	Continuously Operate the ESP	0.030 lbs/mmBTU [PM by 2013] 0.015 lbs/mmBTU [PM by post-2013]	06/01/13					
		Unit 2																
State Line Power Station	Indiana	Unit 3	Retire	06/01/12														
		Unit 4																
Wisconsin Power and Light																		
					Edgewater 3-5- shall not exceed an Annual Tonnage Limitation of 2,500 tons of NO_x in calendar years 2016-2018, and 1100 tons 2019 onwards & an Annual Tonnage Limitation of 12,500 tons of SO_2 in 2016, 6000 tons 2017-2018 and 1100 tons 2019 onwards. Columbia 1 & 2 shall not exceed an Annual Tonnage Limitation of 5,600 tons of NO_x in calendar years 2016-2018, and 4300 tons 2019 onwards & an Annual Tonnage Limitation of 3290 tons of SO_2 in 2016 and thereafter.												
Edgewater Generating Station	Wisconsin	Unit 3	Retire, Refuel, or Repower	12/31/15		Unit-Specific Annual Tonnage Cap of 700 Tons of SO_2	05/21/13		Unit-Specific Annual Tonnage Cap of 250 tons of NO_x	05/21/13								http://www2.epa.gov/enforcement/wisconsin-power-and-light-et-al-settlement
		Unit 4	Retire, Refuel, or Repower	12/31/18		0.700 lbs/mmBTU	05/21/13	Operate SNCR and LNB	0.150 lbs/mmBTU	01/01/14	Continuous Operation of the existing ESP	0.030 lbs/mmBTU	12/31/13					
		Unit 5			Install and continuously operate DFGD	0.075 lbs/mmBTU	12/31/16	Install and continuously operate SCR	0.070 lbs/mmBTU	05/01/13	Install and continuously operate Fabric Filter	0.015 lbs/mmBTU	12/31/16					
Columbia Generating Station	Wisconsin	Unit 1			Install and continuously operate DFGD	0.075 lbs/mmBTU	01/01/15	Operation of the Low NO_x Combustion System	0.150 lbs/mmBTU	07/21/13	Install and continuously operate Fabric Filter	0.015 lbs/mmBTU	12/31/14					

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
		Unit 2				0.075 lbs/mmBTU		Operation of the Low NO_x Combustion System — Install and continuously operate SCR	0.150 lbs/mmBTU — 0.070 lbs/mmBTU	7/21/2013 — 12/31/2018		0.015 lbs/mmBTU	12/31/14					
Nelson Dewey Generating Station	Wisconsin	Unit 1	Retire, Refuel, or Repower	12/31/15	commence burning 100% Powder River Basin or equivalent fuel containing ≤ 1.00 lbs/mmBTU of SO_2	0.800 lbs/mmBTU	05/22/13		0.300 lbs/mmBTU	04/22/13		0.100 lbs/ mmBTU	04/22/13					Cease Burning Petcoke and Commence Burning 100% PRB Coal or Equivalent at Nelson Dewey Units 1 and 2.	
		Unit 2	Retire, Refuel, or Repower	12/31/15															
Minnesota Power																			
Boswell	Minnesota	Unit 1	Retire/Repower	12/31/18	FGD	0.70 lbs/mmBTU and 0.03 lb/mmBTU after 12/31/18	07/16/14	Continuously Operate the ROFA and SNCR	0.20 lbs/mmBTU	6/30/2014	Continuously Operate Baghouses	0.015 lb/mmBTU	07/16/14						http://www2.epa.gov/enforcement/minnesota-power-settlement
	Minnesota	Unit 2	Retire/Repower	12/31/18	FGD	0.70 lbs/mmBTU and 0.03 lb/mmBTU after 12/31/18	07/16/14	Continuously Operate the ROFA and SNCR	0.20 lbs/mmBTU	6/30/2014	Continuously Operate Baghouses	0.015 lb/mmBTU	07/16/14						
	Minnesota	Unit 3			FGD	0.030 lbs/mmBTU	12/31/18	Continuously Operate the Low NO_x Burners, OFA system and SCR control	0.060 lbs/mmBTU	07/16/14	Continuously Operate Baghouses	0.015 lb/mmBTU	07/17/14						
	Minnesota	Unit 4			FGD	0.03	05/31/16	Continuously Operate the Low NO_x Burners, OFA system and SCR	0.120 lbs/mmBTU	07/16/14	Continuously Operate Baghouses	0.015 lb/mmBTU	05/31/16						
Taconite Harbor	Minnesota	Unit 1				0.30 lbs/mmBTU	12/31/2015	Continuously Operate the ROFA systems and SNCR	0.160 lbs/mmBTU	7/16/2014	Continuously Operate ESP	.03 lb/mmBTU	07/16/14						
	Minnesota	Unit 2																	
	Minnesota	Unit 3	Retire/Repower/Refueling	12/31/2015															
Laskin	Minnesota	Unit 1				0.200 lb/mmBTU	07/16/14	Continuously Operate the Low NO_x Burners, and OFA systems	0.190 lbs/mmBTU	07/16/14		0.050 lb/mmBTU	07/16/14						
	Minnesota	Unit 2																	
Consumer Energy																			
Campbell	Michigan	Unit 1			install and continuously operate DSI	0.350 lb/mmBTU 30-Day Rolling Average ------- 0.290 lb/mmBTU	6/30/2016	Continuously Operate the Low NO_x Combustion System (including OFA)	0.220 lb/mmBTU 90-Day Rolling Average		Install and continuously operate Baghouse	.015 lb/mmBTU	04/01/16						http://www2.epa.gov/sites/production/files/2014-09/documents/consumerenergyco-cd.pdf

Company and Plant	State	Unit	Settlement Actions															Notes	Reference
			Retire/Repower		SO_2 control			NO_x Control			PM or Mercury Control			Allowance Retirement	Allowance Restriction				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Retirement	Restriction	Effective Date			
						90- Day Rolling Average													
	Michigan	Unit 2			install and continuously operate DSI	0.32 lb/mmBTU	6/30/2016	Continuously Operate an SCR	0.080 lb/mmBTU 90-Day Rolling Average		Install and continuously operate Baghouse	.015 lb/mmBTU							
	Michigan	Unit 3			install and continuously operate FGD	0.085 lb/mmBTU 30-Day Rolling Average -------- 0.07 lb/mmBTU 365- Day Rolling Average	12/31/2016 -------- 0.07 lbs/MMBtu after 12/31/16	Continuously Operate an SCR	0.080 lb/mmBTU 90-Day Rolling Average		Install and continuously operate Baghouse	.015 lb/mmBTU	12/31/16						
Cobb	Michigan	Unit 7	Retire	04/15/16														Unit will retire by 04/15/16	
	Michigan	Unit 8	Retire	04/15/16														Unit will retire by 04/15/16	
Karn	Michigan	Unit 1			Install and continuously operate FGD	0.075 lb/mmBTU	12/31/2015	Continuously Operate the existing SCR	0.080 lb/mmBTU	60 Operating Days after the Date of Entry	Continuously Operate the existing Baghouse	.015 lb/mmBTU							
	Michigan	Unit 2			Install and continuously operate FGD	0.075 lb/mmBTU	4/15/2016	Continuously Operate the existing SCR	0.080 lb/mmBTU	60 Operating Days after the Date of Entry	Continuously Operate the existing Baghouse	.015 lb/mmBTU							
Weadock	Michigan	Unit 7	Retire	04/15/16														Unit will retire by 04/15/16	
	Michigan	Unit 8																Unit will retire by 04/15/16	
Whiting	Michigan	Unit 1																Unit will retire by 04/15/16	
	Michigan	Unit 2																Unit will retire by 04/15/16	
	Michigan	Unit 3																Unit will retire by 04/15/16	

Table 3-15 State Settlements in EPA Base Case v.5.15

Company and Plant	State	Unit	State Enforcement Actions														Notes
			Retire/Repower		SO_2 Control			NO_x Control			PM Control			Mercury Control			
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	
Old AES																	
			If the MPC project is discontinued at Greenidge Unit 4 by 12/31/2009, Unit 4 will be subject to the following SO_2 emission caps: 2005 will be 12,125 tons, 2006 will be 11,800 tons, 2007 will be 11,475 tons, 2008 will be 11,150 tons, and 2009 will be 10,825 tons. By 12/31/2009, AES shall control, repower, or cease operations at Westover Unit 7. Beginning in 2005, Unit 8 will be subject to the following SO_2 emission caps: 2005 is 9500 tons, 2006 is 9250, 2007 is 9000, 2008 is 8750, 2009 is 8500 tons.														http://www.ag.ny.gov/press-release/governor-and-attorney-general-announce-new-yorks-largest-coal-plants-slash-pollution
Greenidge	New York	Unit 4	Update: as of May 2009, CONSOL and AES describe the Greenidge Unit 4 MPC effort as a success.														http://investor.aes.com/phoenix.zhtml?c=202639&p=irol-newsArticle&ID=1274075&highlight=
					Install FGD	90%	09/01/07	Install SCR	0.15	09/01/07							Unit has retired
	New York	Unit 3	Install BACT, repower, or cease operations		Install BACT		12/31/09	Install BACT		12/31/09							Unit has retired
Westover			Update: as of May 2009, NO_x emissions appear to be above the specified 0.15 lbs/mmBtu														http://www.powermag.com/print/environmental/Apply-the-fundamentals-to-improve-emissions-performance_574.html
	New York	Unit 8				90%	12/31/10	Install SCR	0.15	12/31/10							Unit has retired
	New York	Unit 7	Install BACT, repower, or cease operations		Install BACT		12/31/09	Install BACT		12/31/09							Unit has retired
Hickling	New York	Unit 1	Install BACT, repower, or cease operations		Install BACT		05/01/07	Install BACT		05/01/07							Unit has retired
	New York	Unit 2	Install BACT, repower, or cease operations		Install BACT		05/01/07	Install BACT		05/01/07							Unit has retired
Cayuga	New York	Unit 1			FGD			SCR	Meets System Wide RACT		ESP	98%					
	New York	Unit 2			FGD			LN Concentric Firing	Meets System Wide RACT		ESP	98%					
Jennison	New York	Unit 1	Install BACT, repower, or cease operations		Install BACT		05/01/07	Install BACT		05/01/07							Unit has retired

Company and Plant	State	Unit	State Enforcement Actions															Notes
			Retire/Repower		SO_2 Control			NO_x Control			PM Control			Mercury Control				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date		
	New York	Unit 2	Retired		Install BACT		05/01/07	Install BACT		05/01/07								Unit has retired
Niagara Mohawk Power																		
			NRG shall comply with the below annual tonnage limitations for its Huntley and Dunkirk Stations: In 2005 59,537 tons of SO_2 and 10,777 tons of NO_x, in 2006 34,230 of SO_2 and 6,772 of NO_x, in 2007 30,859 of SO_2 and 6,211 of NO_x, in 2008 22,733 tons of SO_2 and 6,211 tons of NO_x, in 2009 19,444 of SO_2 and 5,388 of NO_x, in 2010 and 2011 19,444 of SO_2 and 4,861 of NO_x, in 2012 16,807 of SO_2 and 3,241 of NO_x, 2013 and 14,169 of SO_2 and 3,241 of NO_x thereafter.													http://www.ag.ny.gov/press-release/governor-and-attorney-general-announce-new-yorks-largest-coal-plants-slash-pollution
Huntley	New York	Units 63 – 66	Retire	Before 2008														
Public Service Co. of NM																		
San Juan	New Mexico	Unit 1			State-of-the-art technology	90%	10/31/08	State-of-the-art technology	0.3	10/31/08	Operate Baghouse and demister technology	0.015	12/31/09	Design activated carbon injection technology (or comparable tech)		12/31/09	All four units have installed Wet Scrubbers. Unit 1 and 4 NO_x controls [SNCR] are hardwired into EPA Base Case. http://nmsierraclub.org/sites/default/files/20055-10SanJuanfinaldecreeasentered%20%282%29.pdf http://www.grandcanyontrust.org/media/PDF/air/2-2-04%20Decision.pdf
	New Mexico	Unit 2					03/31/09			03/31/09			12/31/09			12/31/09		
	New Mexico	Unit 3					04/30/08			04/30/08			04/30/08			04/30/08		
	New Mexico	Unit 4					10/31/07			10/31/07			10/31/07			10/31/07		
Public Service Co of Colorado																		
Comanche	Colorado	Unit 1			Install and operate FGD	0.1 lbs/mmBtu combined average	07/01/09	Install low-NO_x emission controls	0.15 lbs/mmBtu combined average	07/01/09				Install sorbent injection technology		07/01/09	Comanche units 1 and 2 taken together shall not exceed a 0.15 heat rate for NO_x, nor 0.10 for SO_2, no later than 180 days after initial start-up of control equipment, or by 7/01/2009, whichever is earlier. http://content.sierraclub.org/coal/sites/content.sierraclub.org.coal/files/elp/docs/co-comanche_agree-sign_2004-12-02.pdf
	Colorado	Unit 2			Install and operate FGD		07/01/09	Install low-NO_x emission controls		07/01/09				Install sorbent injection technology		07/01/09		
	Colorado	Unit 3			Install and operate FGD	0.1 lbs/mmBtu		Install and operate SCR	0.08		Install and operate a fabric filter dust collection system	0.013		Install sorbent injection technology		Within 180 days of start-up		
Rochester Gas & Electric																		
Russell Plant	New York	Units 1 – 4	Retire all units														http://www.ag.ny.gov/press-release/cuomo-announces-settlement-close-rochester-gas-electrics-coal-burning-russell-power	
Mirant New York																		
Lovett Plant	New York	Unit 1	Retire	05/07/07													http://www.nytimes.com/2007/05/11/nyregion/11plant.html?_r=1&pagewanted=print	
	New York	Unit 2	Retire	04/30/08													Retirements are pursuant to a 2003 consent decree, and the plant's failure to comply with the required reductions.	
TVA																		
Allen	Tennessee	Units 1 - 3			Remove from Service, FGD, or Retire		12/31/2018	Install SCR		Effective Date							http://www2.epa.gov/sites/production/files/documents/tvacoal-fired-cd.pdf	
Bull Run	Tennessee	Unit 1			Install Wet FGD		Effective Date	Install SCR		Effective Date								
Colbert	Alabama	Units 1 - 4			Remove from Service, FGD, Repower to Renewable Biomass, or Retire		6/30/2016	Remove from Service, SCR, Repower to Renewable Biomass, or Retire		6/30/2016								

Company and Plant	State	Unit	State Enforcement Actions															Notes
			Retire/Repower		SO_2 Control			NO_x Control			PM Control			Mercury Control				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date		
		Unit 5			Remove from Service, FGD, or Retire		12/31/2015	Install SCR		Effective Date								
Cumberland	Tennessee	Units 1 & 2			Install Wet FGD		Effective Date	Install SCR		Effective Date								
Gallatin	Tennessee	Units 1 - 4			FGD, Repower to Renewable Biomass, or Retire		12/31/2017	Install SCR, Repower to Renewable Biomass, or Retire		12/31/2017								
John Sevier	Tennessee	Units 1 & 2	Retire	12/31/2012														
		Units 3 & 4	Remove from Service	12/31/2012	FGD, Repower to Renewable Biomass, or Retire		12/31/2015	Install SCR, Repower to Renewable Biomass, or Retire		12/31/2015								
Johnsonville	Tennessee	Units 1 - 10	Retire	6 Units by 12/31/15, 4 Units by 12/31/18														
Kingston	Tennessee	Units 1 - 9			Install Wet FGD		Effective Date	Install SCR		Effective Date								
Paradise	Kentucky	Units 1 & 2			Upgrade FGD	93% Removal	12/31/2012	Install SCR		Effective Date								
		Unit 3			Install Wet FGD		Effective Date	Install SCR		Effective Date								
Shawnee	Kentucky	Units 1 & 4			FGD, Repower to Renewable Biomass, or Retire		12/31/2017	Install SCR, Repower to Renewable Biomass, or Retire		12/31/2017								
Widows Creek	Alabama	Units 1 & 2	Retire	7/31/2013														
		Unit 3 & 4	Retire	7/31/2014														
		Units 5 & 6	Retire	7/31/2015														
		Units 7 & 8			Install Wet FGD		Effective Date	Install SCR		Effective Date								
RC Cape May Holdings, LLC																		
B L England	New Jersey	Unit 1	Retire/Repower	05/01/14														http://www.nj.gov/dep/docs/20120613104728.pdf
		Unit 2	Retire/Repower	05/01/17	FGD			SNCR & OFA	0.42 lb/mmBtu									

Table 3-16 Citizen Settlements in EPA Base Case v.5.15

Company and Plant	State	Unit	Citizen Suits Provided by DOJ														Notes
			Retire/Repower		SO_2 control			NO_x Control			PM Control			Mercury Control			
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	
SWEPCO (AEP)																	
Welsh	Texas	Units 1-3									Install and operate CEMs		12/31/2010				SWEPCO may attempt to demonstrate that PM CEMs are infeasible after two years of operation. http://www.ocefoundation.org/PDFs/ConsentDecree&CLtoDOJ.pdf
Allegheny Energy																	
Hatfield's Ferry	Pennsylvania	Unit 1			Install and operate wet FGD		6/30/2010				Install and operate sulfur trioxide injection systems, improve ESP performance	0.1 lbs/mmBtu in 2006, then 0.075 lbs per hour (filterable) and 0.1 lbs/mmBtu for particles less than ten microns in 2010	7/31/2006 and 6/30/2010				http://www.environmentalintegrity.org/law_library/PennFuture_EIP_Lawsuit.php
	Pennsylvania	Unit 2															
	Pennsylvania	Unit 3											11/31/2006 and 6/30/2010				
Wisconsin Public Service Corp																	
Pulliam	Wisconsin	Unit 3	Retire	12/31/2007													http://milwaukee.bizjournals.com/milwaukee/stories/2006/10/23/daily29.html
	Wisconsin	Unit 4															
University of Wisconsin																	
Charter Street Heating Plant	Wisconsin		Repower to burn 100% biomass	12/31/2012													Sierra Club suit was based on NSR. http://wisconsin.sierraclub.org/PDF/press/112607_PR_WIStateOwnedCoalSettlement.pdf
Tucson Electric Power																	
Springerville Plant	Arizona	Unit 1			Dry FGD, 85% reduction required	0.27 lbs/mmBtu	12/31/2006	SCR, LNB	0.22 lbs/mmBtu	12/31/2006	Baghouse	0.03 lbs/mmBtu	1/1/2006				Lawsuit filed by Grand Canyon Trust. Consent decree is not published. For the compliance details, see the EPA's own copy of the plant's permit revisions: http://xrl.us/springerville and http://xrl.us/springerville2
	Arizona	Unit 2															
	Arizona	Unit 3															
	Arizona	Unit 4				Four-unit cap of 10,662 tons per year once units 3 and 4 are operational			Four-unit cap of 8,940 tons per year once units 3 and 4 are operational								
Kansas City Board of Public Utilities																	
Quindaro	Kansas	Units 1	Cease burning coal/Convert to natural gas	04/16/15													
	Kansas	Units 2															
Nearman	Kansas	Unit 1									Install and continuously operate a baghouse	0.01 lbs/mmBtu	09/01/17				http://www.bpu.com/AboutBPU/MediaNewsReleases/BPUUnifiedGovernmentSettleThreatenedLawsuit.aspx http://www.platts.com/RSSFeedDetailedNews/RSSFeed/ElectricPower/21193551 "end coal-fired operations at two coal units totaling 167 MW at its Quindaro station by April 2015 and to install a baghouse at its 232-MW Nearman-1 coal unit by September 2017." "BPU spokesman David Mehlhaff said the muni plans to convert the Quindaro-1 and -2 coal units to only natural gas firing, probably by April 2015; both units currently have dual-fuel capabilities."

Company and Plant	State	Unit	Citizen Suits Provided by DOJ															Notes
			Retire/Repower		SO_2 control			NO_x Control			PM Control			Mercury Control				
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date		
MidAmerican Energy Company																		
Walter Scott, Jr Energy Center	Iowa	Units 1	Cease burning coal/Convert to natural gas	04/16/16														http://www.sec.gov/Archives/edgar/data/928576/000092857613000014/llcmec33113form10-q.htm "MidAmerican Energy has committed to cease burning solid fuel, such as coal, at its Walter Scott, Jr. Energy Center Units 1 and 2, George Neal Energy Center Units 1 and 2 and Riverside Energy Center by April 16, 2016...The George Neal Energy Center Unit 1 and Riverside Energy Center currently have the capability to burn natural gas in the production of electricity, although under current operating and economic conditions, production utilizing natural gas would be very limited"
	Iowa	Units 2																
George Neal Energy Center	Iowa	Units 1																
	Iowa	Units 2																
Riverside Energy Center	Iowa	Units 7																
	Iowa	Units 8																
	Iowa	Units 9																
Dominion Energy																		
Salem Harbor	Massachusetts	Unit 1-4	Retire	12/31/2011 for units 1&2 6/1/2014 for units 3&4														http://www.clf.org/wp-content/uploads/2012/02/Signed-Consent-Decree-12_11.pdf
Duke Energy																		
Wabash River	Indiana	Unit 2-5	Retire	2014														http://www.duke-energy.com/about-us/retired-coal-units-potential-retirements.asp
Wabash River	Indiana	Unit 6	Coal to Gas Conversion	6/12018														
KCPL																		
La Cygne	Kansas	Units 1				0.1 lbs/MMBtu	2015		0.13 lbs/MMBtu	2015								
		Units 2																

Table 3-17 Renewable Portfolio Standards in EPA Base Case v.5.15

Regional Renewable Portfolio Standards- AEO 2013							
NEMS Region	**IPM Regions Covered**	**Units**	**2016**	**2018**	**2020**	**2025**	**2030-2050**
ERCOT (1)	ERC_REST, ERC_FRNT, ERC_GWAY, ERC_WEST	%	4.5%	4.5%	4.4%	4.4%	4.4%
MROE (3)	MIS_WUMS (42%)	%	10.1%	10.0%	10.0%	9.9%	10.0%
MROW (4)	MAP_WAUE, MIS_IA, MIS_MIDA, MIS_MNWI, MIS_MAPP, SPP_NEBR	%	8.9%	9.6%	10.3%	11.3%	11.4%
NEWE (5)	NENG_CT, NENGREST, NENG_ME	%	11.6%	13.0%	14.3%	14.5%	14.6%
NYCW (6), NYLI (7), NYUP (8)	NY_Z_J, NY_Z_K, NY_Z_C&E, NY_Z_F, NY_Z_G-I, NY_Z_A&B	%	25.0%	24.8%	24.6%	24.5%	24.6%
RFCE (9)	PJM_EMAC, PJM_PENE, PJM_SMAC, PJM_WMAC	%	9.7%	11.6%	13.6%	14.7%	14.8%
RFCM (10)	MIS_LMI	%	10.1%	10.1%	10.0%	9.9%	10.0%
RFCW (11)	MIS_INKY (90%), MIS_WUMS (58%), PJM_West, PJM_AP, PJM_ATSI, PJM_COMD	%	5.0%	6.0%	7.1%	9.2%	9.3%
SRDA (12)	S_D_AMSO, S_D_N_AR, S_D_REST, S_D_WOTA, SPP_WEST (10%)	%	0.7%	0.6%	0.6%	0.6%	0.6%
SRGW (13)	MIS_IL, MIS_MO, SPP_N (3%)	%	7.3%	10.2%	11.2%	15.7%	15.8%
SRCE (15)	S_C_KY, S_C_TVA, MIS_INKY (10%)	%	0.0%	0.0%	0.0%	0.1%	0.1%
SRVC (16)	PJM_Dom, S_VACA	%	3.3%	4.2%	5.0%	5.5%	5.5%
SPNO (17)	SPP_N (97%)	%	8.5%	9.7%	11.9%	13.1%	13.2%
SPSO (18)	SPP_SE, SPP_SPS, SPP_WEST (90%), SPP_KIAM	%	1.8%	1.9%	2.1%	2.2%	2.2%
AZNM (19)	WECC_AZ, WECC_IID, WECC_NM, WECC_SNV	%	7.4%	8.0%	9.4%	11.1%	11.1%
CAMX (20)	WEC_LADW, WEC_CALN, WEC_SDGE, WECC_SF, WECC_SCE	%	25.6%	29.3%	33.0%	32.9%	33.0%
NWPP (21)	WECC_ID, WECC_MT, WECC_NNV, WECC_PNW, WECC_UT, WECC_WY (58%)	%	7.2%	7.2%	10.1%	10.9%	11.0%
RMPA (22)	WECC_CO, WECC_WY (42%)	%	16.8%	20.1%	23.3%	23.1%	23.36%

Regional RPS Solar Carve-outs							
NEMS Region	**IPM Regions Covered**	**Units**	**2016**	**2018**	**2020**	**2025**	**2030-2050**
ERCOT (1)	ERC_REST, ERC_FRNT, ERC_GWAY, ERC_WEST	%	-	-	-	-	-
MROE (3)	MIS_WUMS (42%)	%	-	-	-	-	-
MROW (4)	MAP_WAUE, MIS_IA, MIS_MIDA, MIS_MNWI, MIS_MAPP, SPP_NEBR	%	0.01%	0.01%	0.58%	0.58%	0.59%
NEWE (5)	NENG_CT, NENGREST, NENG_ME	%	0.08%	0.08%	0.08%	0.08%	0.08%
NYCW (6), NYLI (7), NYUP (8)	NY_Z_J, NY_Z_K, NY_Z_C&E, NY_Z_F, NY_Z_G-I, NY_Z_A&B	%	0.00%	0.00%	0.00%	0.00%	0.00%
RFCE (9)	PJM_EMAC, PJM_PENE, PJM_SMAC, PJM_WMAC	%	0.30%	0.49%	0.67%	0.71%	0.71%
RFCM (10)	MIS_LMI	%	-	-	-	-	-
RFCW (11)	MIS_INKY (90%), MIS_WUMS (58%), PJM_West, PJM_AP, PJM_ATSI, PJM_COMD	%	0.18%	0.25%	0.32%	0.43%	0.45%

Regional RPS Solar Carve-outs							
NEMS Region	**IPM Regions Covered**	**Units**	**2016**	**2018**	**2020**	**2025**	**2030-2050**
SRDA (12)	S_D_AMSO, S_D_N_AR, S_D_REST, S_D_WOTA, SPP_WEST (10%)	%	-	-	-	-	-
SRGW (13)	MIS_IL, MIS_MO, SPP_N (3%)	%	0.29%	0.39%	0.46%	0.68%	0.72%
SRCE (15)	S_C_KY, S_C_TVA, MIS_INKY (10%)	%	0.001%	0.001 %	0.001 %	0.001 %	0.001%
SRVC (16)	PJM_Dom, S_VACA	%	0.06%	0.09%	0.09%	0.09%	0.09%
SPNO (17)	SPP_N (97%)	%	0.03%	0.05%	0.05%	0.08%	0.08%
SPSO (18)	SPP_SE, SPP_SPS, SPP_WEST (90%), SPP_KIAM	%	0.10%	0.10%	0.14%	0.14%	0.14%
AZNM (19)	WECC_AZ, WECC_IID, WECC_NM, WECC_SNV	%	0.48%	0.47%	0.58%	0.60%	0.61%
CAMX (20)	WEC_LADW, WEC_CALN, WEC_SDGE, WECC_SF, WECC_SCE	%	-	-	-	-	-
NWPP (21)	WECC_ID, WECC_MT, WECC_NNV, WECC_PNW, WECC_UT, WECC_WY (58%)	%	0.05%	0.05%	0.06%	0.06%	0.06%
RMPA (22)	WECC_CO, WECC_WY (42%)	%	0.01%	0.01%	0.02%	0.02%	0.02%

Notes:
The Renewable Portfolio Standard percentages are applied to modeled electricity sale projections.
Waste Coal plants in Pennsylvania are included in the appropriate RPS constraints.
The Solar Carve-out constraints only apply to units from the following states: DC, IL, MA, MD, MN, MO, NC, NH, NM, NV, OH, PA

Table 3-19 BART Regulations included in EPA Base Case v.5.15

BART Affected Plants	UniqueID	BART Status/ CSAPR/ Shutdown/ Coal-to-Gas	NO_x BART Limit	SO_2 BART Limit	NO_x Compliance Date	SO_2 Compliance Date
Colstrip	6076_B_1	BART NO_x	0.15 lb/MMBtu		2018	2018
Colstrip	6076_B_2	BART NO_x	0.15 lb/MMBtu		2018	2018
Comanche	470_B_1	BART NO_x	0.20 lb/MMBtu		2018	2018
Comanche	470_B_2	BART NO_x	0.20 lb/MMBtu		2018	2018
Craig	6021_B_C1	BART NO_x & BART SO_2	0.07 lb/MMBtu	0.11 lb/MMBtu	2021	2018
Craig	6021_B_C2	BART NO_x & BART SO_2	0.08 lb/MMBtu	0.11 lb/MMBtu	2018	2018
Four Corners	2442_B_1	BART NO_x: Shut down by 2013	0.05 lb/MMBtu	Actual emissions	2018	2018
Four Corners	2442_B_2	BART NO_x: Shut down by 2013	0.05 lb/MMBtu	Actual emissions	2018	2018
Four Corners	2442_B_3	BART NO_x: Shut down by 2013	0.05 lb/MMBtu	Actual emissions	2018	2018
Four Corners	2442_B_4	BART NO_x	0.098 lb/MMBtu	Actual emissions	2018	2018
Four Corners	2442_B_5	BART NO_x	0.05 lb/MMBtu	Actual emissions	2018	2018
Gerald Gentleman	6077_B_1	BART NO_x	0.23 lb/MMBtu	TBD	2018	2018
Gerald Gentleman	6077_B_2	BART NO_x	0.23 lb/MMBtu	TBD	2018	2018
Hayden	525_B_H1	BART NO_x	0.08 lb/MMBtu		2018	2018
Hayden	525_B_H2	BART NO_x	0.07 lb/MMBtu		2018	2018
J E Corette Plant	2187_B_2	BART NO_x	0.35 lb/MMBtu		2018	2018
Martin Drake	492_B_5	BART NO_x	0.31 lb/MMBtu		2018	2018
Martin Drake	492_B_6	BART NO_x	0.32 lb/MMBtu		2018	2018
Martin Drake	492_B_7	BART NO_x	0.32 lb/MMBtu		2018	2018
Nebraska City	6096_B_1	BART NO_x	0.23 lb/MMBtu		2018	2018
Reid Gardner	2324_B_1	BART NO_x	0.20 lb/MMBtu		2018	2018
Reid Gardner	2324_B_2	BART NO_x	0.20 lb/MMBtu		2018	2018
Reid Gardner	2324_B_3	BART NO_x	0.20 lb/MMBtu		2018	2018
San Juan	2451_B_1	BART NO_x	0.11 lb/MMBtu	Actual emissions	2018	2018
San Juan	2451_B_2	BART NO_x	0.11 lb/MMBtu	Actual emissions	2018	2018
San Juan	2451_B_3	BART NO_x	0.11 lb/MMBtu	Actual emissions	2018	2018
San Juan	2451_B_4	BART NO_x	0.11 lb/MMBtu	Actual emissions	2018	2018
Tecumseh Energy Center	1252_B_10	BART NO_x	0.18 lb/MMBtu		2018	2018
Apache Station	160_B_2	BART NO_x & BART SO_2	0.07 lb/MMBtu across 2 units	0.15 lb/MMBtu	12/1/17	12/1/16
Apache Station	160_B_3	BART NO_x & BART SO_2	0.07 lb/MMBtu across 2 units	0.15 lb/MMBtu	12/1/17	12/1/16
Cherokee	469_B_4	BART NO_x & BART SO_2	0.12 lb/MMBtu	7.81 tpy (12 month rolling)	2018	2018
Cholla	113_B_2	BART NO_x & BART SO_2	0.055 lb/MMBtu across 3 units	0.15 lb/MMBtu	12/1/17	12/5/13
Cholla	113_B_3	BART NO_x & BART SO_2	0.055 lb/MMBtu across 3 units	0.15 lb/MMBtu	12/1/17	12/5/13
Cholla	113_B_4	BART NO_x & BART SO_2	0.055 lb/MMBtu across 3 units	0.15 lb/MMBtu	12/1/17	12/5/13
Coal Creek	6030_B_1	BART NO_x & BART SO_2	0.13 lb/MMBtu (combined both units)	0.15 lb/MMBtu or 95% efficiency	2018	2018
Coal Creek	6030_B_2	BART NO_x & BART SO_2	0.13 lb/MMBtu (combined both units)	0.15 lb/MMBtu or 95% efficiency	2018	2018
Coronado	6177_B_U1B	BART NO_x & BART SO_2	0.065 lb/MMBtu across 2 units	0.08 lb/MMBtu	12/1/17	6/5/13

BART Affected Plants	UniqueID	BART Status/ CSAPR/ Shutdown/ Coal-to-Gas	NO_x BART Limit	SO_2 BART Limit	NO_x Compliance Date	SO_2 Compliance Date
Coronado	6177_B_U2B	BART NO_x & BART SO_2	0.065 lb/MMBtu across 2 units	0.08 lb/MMBtu	12/1/17	6/5/13
Jeffrey Energy Center	6068_B_1	BART NO_x & BART SO_2	0.15 lb/MMBtu	0.15 lb/MMBtu	2018	2018
Jeffrey Energy Center	6068_B_2	BART NO_x & BART SO_2	0.15 lb/MMBtu	0.15 lb/MMBtu	2018	2018
La Cygne	1241_B_1	BART NO_x & BART SO_2	0.13 lb/MMBtu (combined both units)	0.15 lb/MMBtu	6/1/15	6/1/15
La Cygne	1241_B_2	BART NO_x & BART SO_2	0.13 lb/MMBtu (combined both units)	0.15 lb/MMBtu	6/1/15	6/1/15
Leland Olds	2817_B_1	BART NO_x & BART SO_2	0.19 lb/MMBtu	0.15 lb/MMBtu or 95% efficiency	2018	2018
Leland Olds	2817_B_2	BART NO_x & BART SO_2	0.35 lb/MMBtu	0.15 lb/MMBtu or 95% efficiency	2018	2018
Merrimack	2364_B_2	BART NO_x & BART SO_2	0.30 lb/MMBtu	90 % control	2018	2018
Milton R Young	2823_B_B1	BART NO_x & BART SO_2	0.36 lb/MMBtu	0.15 lb/MMBtu or 95% efficiency	2018	2018
Milton R Young	2823_B_B2	BART NO_x & BART SO_2	0.35 lb/MMBtu	0.15 lb/MMBtu or 95% efficiency	2018	2018
Muskogee	2952_B_4	BART NO_x & BART SO_2	0.15 lb/MMBtu	0.06 lbs/MMBtu	2018	2018
Muskogee	2952_B_5	BART NO_x & BART SO_2	0.15 lb/MMBtu	0.06 lbs/MMBtu	2018	2018
Pawnee	6248_B_1	BART NO_x & BART SO_2	0.07 lb/MMBtu	0.12 lb/MMBtu	2018	2018
Ray D Nixon	8219_B_1	BART NO_x & BART SO_2	0.21 lb/MMBtu	0.11 lb/MMBtu	2018	2018
Sooner	6095_B_1	BART NO_x & BART SO_2	0.15 lb/MMBtu	0.06 lbs/MMBtu	2018	2018
Sooner	6095_B_2	BART NO_x & BART SO_2	0.15 lb/MMBtu	0.06 lbs/MMBtu	2018	2018
Stanton	2824_B_1	BART NO_x & BART SO_2	0.29 lb/MMBtu	0.24 lb/MMBtu	2018	2018
Lansing Smith	643_B_1	BART NO_x & BART SO_2	4700 tpy across 2 units	0.74 lb/MMBtu	2018	2018
Lansing Smith	643_B_2	BART NO_x & BART SO_2	4700 tpy across 2 units	0.74 lb/MMBtu	2018	2018
Northeastern	2963_B_3313	BART NO_x & BART SO_2; Shut down by 2016	0.23 lb/MMBtu	0.60 lb/MMBtu	2018	2018
Boardman	6106_B_1SG	BART NO_x & BART SO_2; Shut down by 2020	0.7 lb/MMBtu	1.2 lb/MMBtu	2018	2018
Northeastern	2963_B_3314	BART NO_x & BART SO_2; Shut down by 2024	0.15 lb/MMBtu	0.40 lb/MMBtu	2018	2018
Seminole	136_B_1	BART SO_2		0.25 lb/MMBtu	2018	2018
Seminole	136_B_2	BART SO_2		0.25 lb/MMBtu	2018	2018
Northside Generating Station	667_B_1	BART SO_2		3600 tpy across 3 units	2018	2018
Northside Generating Station	667_B_2	BART SO_2		3600 tpy across 3 units	2018	2018
Northside Generating Station	667_B_3	BART SO_2		3600 tpy across 3 units	2018	2018
Deerhaven Generating Station	663_B_B2	BART SO_2		5500 tpy	2018	2018
Merrimack	2364_B_2	BART SO_2		Actual Emissions [with FGD]	2018	2018
Yates	728_B_Y6BR	Coal-to-Gas by 2016				

BART Affected Plants	UniqueID	BART Status/ CSAPR/ Shutdown/ Coal-to-Gas	NO_x BART Limit	SO_2 BART Limit	NO_x Compliance Date	SO_2 Compliance Date
Yates	728_B_Y7BR	Coal-to-Gas by 2016				
George Neal North	1091_B_1	Coal-to-Gas by 4/16/2016				
George Neal North	1091_B_2	Coal-to-Gas by 4/16/2016				
George Neal North	1091_B_3	Coal-to-Gas by 4/16/2016				
Walter Scott Jr. Energy Center	1082_B_3	Coal-to-Gas by 4/16/2016				
Big Cajun 2	6055_B_2B1	BART NO_x: Convert to NG by 4/15/2015	0.15 lb/MMBtu		2014	
J H Campbell	1710_B_1	BART SO_2		0.29 lb/MMBtu		2017
J H Campbell	1710_B_2	BART NO_x & BART SO_2	0.08 lb/MMBtu	0.32 lb/MMBtu	2015	2017
J H Campbell	1710_B_3	BART NO_x & BART SO_2	0.08 lb/MMBtu	0.07 lb/MMBtu	2015	2018
Tecumseh Energy Center	1252_B_9	BART NO_x	0.18 lb/MMBtu		2018	
Lawrence Energy Center	1250_B_3	BART NO_x	0.18 lb/MMBtu		2014	
Lawrence Energy Center	1250_B_4	BART NO_x & BART SO_2	0.18 lb/MMBtu	0.15 lb/MMBtu	2014	2014
Lawrence Energy Center	1250_B_5	BART NO_x & BART SO_2	0.15 lb/MMBtu	0.15 lb/MMBtu	2014	2014
Laramie River Station	6204_B_3	BART NO_x	0.07 lb/MMBtu		2018	
Lee	2709_B_3	Shut down by 2013				
L V Sutton	2713_B_3	Shut down by 2017				
Portland	3113_B_2	Shut down by 1/7/2015				
Harllee Branch	709_B_2	Shut down by 10/1/13				
Canadys Steam	3280_B_CAN1	Shut down by 12/1/2017				
Canadys Steam	3280_B_CAN2	Shut down by 12/1/2017				
Canadys Steam	3280_B_CAN3	Shut down by 12/1/2017				
Harllee Branch	709_B_1	Shut down by 12/31/13				
Chesapeake	3803_B_4	Shut down by 12/31/14				
Welsh	6139_B_2	Shut down by 12/31/14				
Conesville	2840_B_3	Shut down by 12/31/2012				
HMP&L Station Two Henderson	1382_B_H1	Shut down by 2008				
Menasha	4127_B_B24	Shut down by 2009				
Pella	1175_B_6	Shut down by 2012				
Pella	1175_B_7	Shut down by 2012				
Jefferies	3319_B_3	Shut down by 2013				
Jefferies	3319_B_4	Shut down by 2013				
Big Sandy	1353_B_BSU2	Shut down by 2015				
Frank E Ratts	1043_B_1SG1	Shut down by 2015				
Frank E Ratts	1043_B_2SG1	Shut down by 2015				
Harbor Beach	1731_B_1	Shut down by 2015				
Nelson Dewey	4054_B_2	Shut down by 2015				
Cane Run	1363_B_4	Shut down by 2016				
Cane Run	1363_B_5	Shut down by 2016				
Cane Run	1363_B_6	Shut down by 2016				
Harllee Branch	709_B_3	Shut down by 2016				
Harllee Branch	709_B_4	Shut down by 2016				
Kraft	733_B_3	Shut down by 2016				
J T Deely	6181_B_1	Shut down by 2018				
J T Deely	6181_B_2	Shut down by 2018				
State Line	981_B_4	Shut down by 3/25/12				
Avon Lake	2836_B_12	Shut down by 4/1/2015				

BART Affected Plants	UniqueID	BART Status/ CSAPR/ Shutdown/ Coal-to-Gas	NO_x BART Limit	SO_2 BART Limit	NO_x Compliance Date	SO_2 Compliance Date
Walter C Beckjord	2830_B_5	Shut down by 4/1/2015				
Walter C Beckjord	2830_B_6	Shut down by 4/1/2015				
New Castle	3138_B_5	Shut down by 4/16/2015				
Big Sandy	1353_B_BSU1	Shut down by 6/1/2015				
Bay Shore	2878_B_3	Shut down by 9/1/2012				
Bay Shore	2878_B_4	Shut down by 9/1/2012				
Eastlake	2837_B_5	Shut down by 9/1/2012				
Edgewater	4050_B_4	Shutdown or Coal-to-Gas by 12/31/2018				
Dave Johnston	4158_B_BW43	BART NO_x Shut down by 2027	0.28 lb/MMBtu		2018	
Dave Johnston	4158_B_BW44	BART NO_x	0.15 lb/MMBtu		2018	
Jim Bridger	8066_B_BW71	BART NO_x	0.26 lb/MMBtu		2018	
Jim Bridger	8066_B_BW72	BART NO_x	0.26 lb/MMBtu		2018	
Jim Bridger	8066_B_BW73	BART NO_x	0.26 lb/MMBtu		2018	
Jim Bridger	8066_B_BW74	BART NO_x	0.26 lb/MMBtu		2018	
Laramie River Station	6204_B_1	BART NO_x	0.07 lb/MMBtu		2018	
Laramie River Station	6204_B_2	BART NO_x	0.07 lb/MMBtu		2018	
Naughton	4162_B_1	BART NO_x	0.26 lb/MMBtu		2018	
Naughton	4162_B_2	BART NO_x	0.26 lb/MMBtu		2018	
Naughton	4162_B_3	BART NO_x Convert to NG by 2018	0.07 lb/MMBtu		2018	
Wyodak	6101_B_BW91	BART NO_x	0.07 lb/MMBtu		2018	
Navajo	4941_B_1	Shut down by 12/31/19				
Navajo	4941_B_2	BART NO_x	0.07 lb/MMBtu		2030	
Navajo	4941_B_3	BART NO_x	0.07 lb/MMBtu		2030	
Indian River Generating Station	594_B_3	Shut down by 12/31/13				
Cherokee	469_B_3	Shut down by 12/31/16				
Valmont	477_B_5	Shut down by 12/31/17				
Crystal River	628_B_1	Shut down by 2020				
Crystal River	628_B_2	Shut down by 2020				
Transalta Centralia Generation	3845_B_BW21	Shut down by 2020				
Transalta Centralia Generation	3845_B_BW22	Shut down by 2025				
Lansing Smith	643_B_1	BART NO_x	4700 tpy across 2 units		2018	
Lansing Smith	643_B_2	BART NO_x	4700 tpy across 2 units		2018	

Table 4-1 Data Sources for NEEDS v.5.15 for EPA Base Case v.5.15

Data Source[1]	Data Source Documentation
DOE's Form EIA-860	DOE's Form EIA-860 is an annual survey of utility and non-utility power plants at the generator level. It contains data such as summer, winter and nameplate capacity, location (state and county), operating status, prime mover, energy sources and in-service date of existing and proposed generators. NEEDS v.5.15 uses EIA Form 860 (2010, 2011, and 2012) data as one of the primary generator data inputs.
	DOE's Form EIA-860 also collects data of steam boilers such as energy sources, boiler identification, location, operating status and design information; and associated environmental equipment such as NO_x combustion and post-combustion control, FGD scrubber, mercury control and particulate collector device information. Note that boilers in plants with less than 10 MW do not report all data elements. The association between boilers and generators is also provided. Note that boilers and generators are not necessarily in a one-to-one correspondence. NEEDS v.5.15 uses EIA Form 860 (2010, 2011, and 2012) data as one of the primary boiler data inputs.
NERC Electricity Supply and Demand (ES&D) database	The NERC ES&D is released annually. It contains generator-level information such as summer, winter and nameplate capacity, state, NERC region and sub-region, status, primary fuel and on-line year. NEEDS v.5.15 uses NERC ES&D (2011) data as one of the data inputs.
DOE's Annual Energy Outlook (AEO)	The Energy Information Administration (EIA) Annual Energy Outlook presents annually updated forecasts of energy supply, demand and prices covering a 20-25 year time horizon. The projections are based on results from EIA's National Energy Modeling System (NEMS). Information from AEO 2012 such as heat rates, planned committed units were used in NEEDS v.5.15. Nuclear unit capacities and uprates are from AEO 2015.
Ventyx's New Entrants database	Ventyx's New Entrants database has information on new power plant builds, rerates and retirements. NEEDS v.5.15 uses the dataset downloaded on April 13, 2012 and April 23, 2013, as one of the sources of development of committed generating units.
SNL Energy Database	SNL Energy tracks electric power development projects in North America. NEEDS v.5.15 uses the dataset downloaded on August 11, 2014, as one of the sources of developing committed generating units.
EPA's Emission Tracking System	The Emission Tracking System (ETS) database is updated quarterly. It contains boiler-level information such as primary fuel, heat input, SO_2 and NO_x controls, and SO_2 and NO_x emissions. NEEDS v.5.15 uses annual and seasonal ETS (2011) data as one of the primary data inputs for NO_x rate development and environmental equipment assignment.
Utility and Regional EPA Office Comments	Comments from utilities and regional EPA offices regarding the population in NEEDS (retirements, new units) as well as unit characteristics were incorporated in NEEDS v.5.15.

[1]Shown in Table 4-1 are the primary issue dates of the indicated data sources that were used. Other vintages of these data sources were also used in instances where data were not available for the indicated issued date or where there were methodological reasons for using other vintages of the data.

Table 4-2 Rules Used in Populating NEEDS v.5.15 for EPA Base Case v.5.15

Scope	Rule
Capacity	Excluded units with reported summer capacity, winter capacity and nameplate capacity of zero or blank.
Status	Excluded units that were out of service for two or three consecutive years (i.e., generators with status codes “OS” in the latest three reporting years and boilers with status codes “OS” in the latest two reporting years) and units that were no longer in service and not expected to be returned to service (i.e., generators or boilers with status codes of "RE"). Status of boiler(s) and associated generator(s) were taken into account for determining operation status
Planned or Committed Units	Included planned units that had broken ground, Such planned units are generally expected to be online by the end of 2015. However, the cut-off year could be extended into 2018 for large combined cycle, hydro, or nuclear projects as long as these projects have initiated construction.
Firm/Non-firm Electric Sales	Excluded non-utility onsite generators that do not produce electricity for sale to the grid on a net basis Excluded all mobile and distributed generators

Table 4-3 Summary Population (through 2012) of Existing Units in NEEDS v.5.15 for EPA Base Case v.5.15

Plant Type	Number of Units	Capacity (MW)
Biomass	162	3,288
Coal Steam	926	280,262
Combined Cycle	1738	217,020
Combustion Turbine	5409	137,886
Fossil Waste	60	419
Fuel Cell	50	45
Geothermal	166	2,373
Hydro	3754	77,579
IGCC	9	1,125
Landfill Gas	1431	1,684
Municipal Solid Waste	175	2,164
Non-Fossil Waste	128	1,478
Nuclear	99	98,008
O/G steam	485	88,867
Pumped Storage	153	22,352
Solar PV	571	2,833
Solar Thermal	16	805
Tires	2	46
Wind	928	59,459
US Total	**16,262**	**997,692**

Table 4-4 Hierarchy of Data Sources for Capacity in NEEDS v.5.15

Sources Presented in Hierarchy
Summer Net Dependable Capacity from Comments
2010 EIA 860 Summer Capacity
2011 EIA 860 Summer Capacity
2012 EIA 860 Summer Capacity
2010 EIA 860 Winter Capacity
2011 EIA 860 Winter Capacity
2012 EIA 860 Winter Capacity
2010 EIA 860 Nameplate Capacity
2011 EIA 860 Nameplate Capacity
2012 EIA 860 Nameplate Capacity

Notes:

Presented in hierarchical order that applies.

Table 4-6 Data Sources for Unit Configuration in NEEDS v.5.15 for EPA Base Case v.5.15

Unit Component	Primary Data Source	Secondary Data Source	Tertiary Data Source	Other Sources	Default
Firing Type	2010 EIA 860	EPA's Emission Tracking System (ETS) – 2011	--	--	--
Bottom Type	2010 EIA 860	EPA's Emission Tracking System (ETS) – 2011	--	--	Dry
SO_2 Pollution Control	NSR Settlement or Comments	EPA's Emission Tracking System (ETS) - 2011	2010 EIA 860	See Note	No Control
NO_x Pollution Control	NSR Settlement or Comments	EPA's Emission Tracking System (ETS) - 2011	2010 EIA 860	See Note	No Control
Mercury Control	NSR Settlement or Comments	2010 EIA 860	--	--	No Control
Particulate Matter Control	NSR Settlement or Comments	EPA's Emission Tracking System (ETS) - 2011	2010 EIA 860	--	No Control
HCl Control	NSR Settlement or Comments	--	--	See Note	No Control

Note:

In addition to the primary, secondary and tertiary data sources listed here, the following sources were consulted and emission controls were updated when corroborating information could be found: Reports filed with the Securities and Exchange Commission; websites of generating unit owners and operators; GenerationHub; state public utility service commissions; state permitting agencies; architecture and engineering firm announcements (eg.: Shaw, URS, Stanley, Black &Veatch, Peter Kewit, etc.); equipment supplier announcements (Alstom, B&W, Babcock Power); Power-Eng.com; McILVAINE Utility Upgrade Database; ICAC (Institute of Clean Air Companies). Furthermore, comments received on prior versions of NEEDS on firing type, bottom type and emission controls are reviewed and incorporated in NEEDS v.5.14.

Table 4-7 Aggregation Profile of Model Plants as Provided at Set Up of EPA Base Case v.5.15

Existing and Planned/Committed Units		
Plant Type	**Number of Units**	**Number of IPM Model Plants**
Biomass	203	133
Coal Steam	937	732
Combined Cycle	1829	823
Combustion Turbine	5551	2258
Fossil Other	61	19
Fuel Cell	71	29
Geothermal	184	30
Hydro	3814	186
Import	1	1
Integrated Gas Combined Cycle	12	5
Landfill Gas	1537	280
Non Fossil Other	350	166
Nuclear	104	104
Oil/Gas Steam	494	330
Pumped Storage	153	24
Solar PV	1059	98
Solar Thermal	32	11
Wind	1072	120
Total	**17,464**	**5,349**

New Units		
Plant Type	**Number of Units**	**Number of IPM Model Plants**
New Advanced Coal with CCS	--	176
New Biomass	--	123
New Combined Cycle	--	200
New Combined Cycle with Carbon Capture	--	200
New Combustion Turbine	--	200
New Energy Efficiency	--	896
New Fuel Cell	--	122
New Future Technology	--	305
New Geothermal	--	64
New IGCC	--	186
New Landfill Gas	--	369
New Nuclear	--	400
New Offshore Wind	--	714
New Onshore Wind	--	1480
New Solar PV	--	228
New Solar Thermal	--	91
New SPC-WetFGD_SCR	--	176
Total	--	**5,930**

Retrofits		
Plant Type	**Number of Units**	**Number of IPM Model Plants**
Retrofit Coal with ACI	--	334
Retrofit Coal with ACI + CCS	--	142
Retrofit Coal with ACI + CCS + HRI	--	142
Retrofit Coal with ACI + CCS + HRI + SCR	--	62
Retrofit Coal with ACI + CCS + HRI + SCR + Scrubber	--	96
Retrofit Coal with ACI + CCS + HRI + Scrubber	--	118
Retrofit Coal with ACI + CCS + HRI + SNCR	--	1
Retrofit Coal with ACI + CCS + SCR	--	62
Retrofit Coal with ACI + CCS + SCR + Scrubber	--	96
Retrofit Coal with ACI + CCS + Scrubber	--	118
Retrofit Coal with ACI + CCS + SNCR	--	10
Retrofit Coal with ACI + DSI	--	293
Retrofit Coal with ACI + DSI + HRI	--	293
Retrofit Coal with ACI + DSI + HRI + SCR	--	393
Retrofit Coal with ACI + DSI + HRI + SCR + Scrubber	--	255
Retrofit Coal with ACI + DSI + HRI + Scrubber	--	279
Retrofit Coal with ACI + DSI + HRI + SNCR	--	129
Retrofit Coal with ACI + DSI + HRI + SNCR + Scrubber	--	60
Retrofit Coal with ACI + DSI + SCR	--	393
Retrofit Coal with ACI + DSI + SCR + Scrubber	--	255
Retrofit Coal with ACI + DSI + Scrubber	--	279
Retrofit Coal with ACI + DSI + Scrubber + SNCR	--	60
Retrofit Coal with ACI + DSI + SNCR	--	148
Retrofit Coal with ACI + HRI	--	333
Retrofit Coal with ACI + HRI + SCR	--	436
Retrofit Coal with ACI + HRI + SCR + Scrubber	--	706
Retrofit Coal with ACI + HRI + Scrubber	--	583
Retrofit Coal with ACI + HRI + SNCR	--	130
Retrofit Coal with ACI + HRI + SNCR + Scrubber	--	270
Retrofit Coal with ACI + SCR	--	437
Retrofit Coal with ACI + SCR + Scrubber	--	706
Retrofit Coal with ACI + Scrubber	--	583
Retrofit Coal with ACI + Scrubber + SNCR	--	270
Retrofit Coal with ACI + SNCR	--	141
Retrofit Coal with C2G	--	599
Retrofit Coal with C2G + SCR	--	599
Retrofit Coal with CCS	--	420
Retrofit Coal with CCS + HRI	--	420
Retrofit Coal with CCS + HRI + SCR	--	132
Retrofit Coal with CCS + HRI + SCR + Scrubber	--	154
Retrofit Coal with CCS + HRI + Scrubber	--	190
Retrofit Coal with CCS + SCR	--	132

Retrofits		
Plant Type	**Number of Units**	**Number of IPM Model Plants**
Retrofit Coal with CCS + SCR + Scrubber	--	154
Retrofit Coal with CCS + Scrubber	--	190
Retrofit Coal with DSI	--	192
Retrofit Coal with DSI + HRI	--	383
Retrofit Coal with DSI + HRI + SCR	--	513
Retrofit Coal with DSI + HRI + SCR + Scrubber	--	275
Retrofit Coal with DSI + HRI + Scrubber	--	244
Retrofit Coal with DSI + HRI + SNCR	--	110
Retrofit Coal with DSI + SCR	--	513
Retrofit Coal with DSI + SCR + Scrubber	--	275
Retrofit Coal with DSI + Scrubber	--	244
Retrofit Coal with DSI + SNCR	--	163
Retrofit Coal with HRI	--	663
Retrofit Coal with HRI + SCR	--	739
Retrofit Coal with HRI + SCR + Scrubber	--	1,188
Retrofit Coal with HRI + Scrubber	--	937
Retrofit Coal with HRI + Scrubber + SNCR	--	390
Retrofit Coal with HRI + SNCR	--	183
Retrofit Coal with SCR	--	370
Retrofit Coal with SCR + Scrubber	--	1,188
Retrofit Coal with Scrubber	--	469
Retrofit Coal with Scrubber + SNCR	--	391
Retrofit Coal with SNCR	--	92
Retrofit Combined Cycle with CCS	--	692
Retrofit Oil/Gas steam with SCR	--	205
Total	--	**22,022**

Withdrawn as Uneconomic (Early Retirements)		
Plant Type	**Number of Units**	**Number of IPM Model Plants**
CC Withdrawn as Uneconomic	--	823
Coal Withdrawn as Uneconomic	--	4,756
CT Withdrawn as Uneconomic	--	2,258
IGCC Withdrawn as Uneconomic	--	5
Non-Fossil Withdrawn as Uneconomic	--	823
Nuke Withdrawn as Uneconomic	--	104
O/G Withdrawn as Uneconomic	--	1,134
Total	--	**9,903**
Grand Total (Existing and Planned/Committed + New + Retrofits + Early Retirements): 43204		

Notes:

[1]Non Fossil Other includes units whose fuel is municipal solid waste, tires, and other non-fossil waste.

Table 4-11 Summary of Planned-Committed Units in NEEDS v.5.15 for EPA Base Case v.5.15

Type	Capacity (MW)	Year Range Described
Renewables/Non-conventional		
Biomass	1,101	2013 - 2015
Fuel Cell	77	2013 - 2015
Geothermal	230	2013 - 2016
Hydro	1,646	2013 - 2016
Import	200	2015 - 2015
Landfill Gas	427	2013 - 2015
Municipal Solid Waste	203	2015 - 2015
Non-Fossil Waste	306	2013 - 2015
Pumped Storage	-	-
Solar PV	9,769	2013 - 2018
Solar Thermal	1,652	2013 - 2016
Tires	96	2015 - 2015
Wind	17,365	2013 - 2020
Subtotal	33,070	
Fossil/Conventional		
Coal Steam	2	2013 - 2015
Combined Cycle	23,394	2013 - 2015
Combustion Turbine	5,896	2013 - 2015
Fossil Waste	17	2013 - 2015
IGCC	522	2013 – 2015
Nuclear	5,522	2015 – 2020
O/G Steam	289	2013 - 2015
Subtotal	35,641	
Grand Total	68,711	

Table 4-12 Planned-Committed Units by Model Region in NEEDS v.5.15 for EPA Base Case v.5.15

IPM Region	Plant Type	Capacity (MW)
ERC_REST	Biomass	50
	Combined Cycle	2999
	Combustion Turbine	325
	Hydro	2
	Landfill Gas	6
	Non-Fossil Waste	33
	Solar PV	189
	Wind	833
ERC_WEST	Solar PV	62
	Wind	1890
FRCC	Biomass	158
	Combined Cycle	4131
	Combustion Turbine	6

IPM Region	Plant Type	Capacity (MW)
	Landfill Gas	10
	Municipal Solid Waste	85
	Solar PV	20
MAP_WAUE	Combustion Turbine	60
	Wind	50
MIS_IA	Combined Cycle	646
	Combustion Turbine	5
	Wind	1216
MIS_IL	Biomass	15
	Wind	98
MIS_INKY	Hydro	162
	Landfill Gas	3
	Solar PV	92
	Wind	20
MIS_LMI	Combustion Turbine	96
	Landfill Gas	4
	Non-Fossil Waste	4
	O/G steam	13
	Solar PV	1
	Wind	765
MIS_MAPP	Combustion Turbine	328
	Non-Fossil Waste	6
	Wind	581
MIS_MIDA	Biomass	3
	Combustion Turbine	8
	Hydro	55
	Landfill Gas	5
	Wind	1101
MIS_MNWI	Combustion Turbine	12
	Hydro	11
	Non-Fossil Waste	13
	Solar PV	3
	Wind	249
MIS_MO	Combustion Turbine	27
	Landfill Gas	17
	Solar PV	5
MIS_WUMS	Biomass	117
	Combustion Turbine	2
	Hydro	8
	Landfill Gas	8
	Municipal Solid Waste	1
	Non-Fossil Waste	3
	Wind	10

IPM Region	Plant Type	Capacity (MW)
NENG_CT	Biomass	81
	Combustion Turbine	23
	Fuel Cell	17
	Solar PV	10
NENG_ME	Biomass	26
	Hydro	1
	Wind	216
NENGREST	Biomass	69
	Combustion Turbine	40
	Hydro	2
	Landfill Gas	40
	Non-Fossil Waste	1
	Solar PV	202
	Wind	81
NY_Z_A&B	Biomass	15
	Hydro	4
	Solar PV	1
	Wind	94
NY_Z_C&E	Combustion Turbine	2
	Landfill Gas	12
	Wind	32
NY_Z_F	Hydro	4
	Solar PV	2
NY_Z_G-I	Hydro	0.8
	Non-Fossil Waste	19
	Solar PV	2
NY_Z_J	Combustion Turbine	4
	Fuel Cell	5
	Solar PV	2
NY_Z_K	Combustion Turbine	0.2
	Solar PV	11
PJM_AP	Combined Cycle	1280
	Hydro	44
	Landfill Gas	9
	Solar PV	40
	Wind	118
PJM_ATSI	Combustion Turbine	14
	Landfill Gas	13
	Non-Fossil Waste	140
	Solar PV	8
	Wind	3
PJM_COMD	Combined Cycle	882
	O/G steam	259

IPM Region	Plant Type	Capacity (MW)
	Solar PV	20
	Wind	304
PJM_Dom	Biomass	94
	Combined Cycle	2158
	Combustion Turbine	65
	Landfill Gas	33
	Solar PV	72
PJM_EMAC	Biomass	38
	Combined Cycle	2485
	Combustion Turbine	207
	Fuel Cell	21
	Hydro	126
	Landfill Gas	7
	Non-Fossil Waste	7
	Solar PV	293
	Wind	2
PJM_PENE	Biomass	1
	Combined Cycle	765
	Combustion Turbine	2
	Hydro	7
	Landfill Gas	7
	O/G steam	4
	Tires	96
PJM_SMAC	Combined Cycle	726
	Combustion Turbine	20
	Landfill Gas	5
	Non-Fossil Waste	24
	O/G steam	9
	Solar PV	6
PJM_West	Biomass	5
	Combined Cycle	539
	Landfill Gas	12
	Non-Fossil Waste	7
	Solar PV	10
	Wind	260
PJM_WMAC	Biomass	4
	Combined Cycle	765
	Combustion Turbine	10
	Landfill Gas	3
	Non-Fossil Waste	20
	Solar PV	1
S_C_KY	Combined Cycle	640
	Hydro	105
	Landfill Gas	2

IPM Region	Plant Type	Capacity (MW)
S_C_TVA	Biomass	13
	Hydro	28
	IGCC	522
	Landfill Gas	3
	Nuclear	1122
	Solar PV	95
S_D_AMSO	Biomass	5
	Combined Cycle	561
	Municipal Solid Waste	115
	O/G steam	4
S_D_WOTA	Biomass	96
	Hydro	24
S_SOU	Biomass	122
	Hydro	2
	Landfill Gas	15
	Non-Fossil Waste	2
	Nuclear	2200
	Solar PV	37
S_VACA	Biomass	3
	Combined Cycle	622
	Combustion Turbine	92
	Fuel Cell	5
	Hydro	30
	Landfill Gas	60
	Non-Fossil Waste	12
	Nuclear	2200
	Solar PV	447
SPP_N	Biomass	6
	Combined Cycle	100
	Combustion Turbine	113
	Landfill Gas	4
	Municipal Solid Waste	2
	Solar PV	8
	Wind	1500
SPP_NEBR	Landfill Gas	5
	Wind	435
SPP_SE	Combined Cycle	79
SPP_SPS	Combustion Turbine	521
	Non-Fossil Waste	3
	Solar PV	59
	Wind	3388
SPP_WEST	Coal Steam	2
	Combustion Turbine	122

IPM Region	Plant Type	Capacity (MW)
	Hydro	80
	Landfill Gas	3
	Wind	604
WEC_CALN	Combustion Turbine	794
	Landfill Gas	17
	Non-Fossil Waste	2
	Solar PV	1138
	Solar Thermal	30
WEC_LADW	Combined Cycle	828
	Combustion Turbine	1266
	Fuel Cell	5
	Landfill Gas	20
	Solar PV	559
WEC_SDGE	Biomass	2
	Combustion Turbine	35
	Fuel Cell	6
	Import	200
	Landfill Gas	8
	Solar PV	64
WECC_AZ	Landfill Gas	3
	Non-Fossil Waste	0.2
	Solar PV	896
	Solar Thermal	260
	Wind	81
WECC_CO	Biomass	111
	Combined Cycle	588
	Combustion Turbine	90
	Hydro	24
	Landfill Gas	8
	Solar PV	15
	Solar Thermal	1
	Wind	536
WECC_ID	Hydro	1
	Solar PV	20
	Wind	220
WECC_IID	Geothermal	25
	Solar PV	1189
WECC_MT	Biomass	4
	Hydro	63
	Landfill Gas	2
	Wind	21
WECC_NM	Combustion Turbine	312
	Fossil Waste	17
	Geothermal	12

IPM Region	Plant Type	Capacity (MW)
	Solar PV	92
	Wind	567
WECC_NNV	Combustion Turbine	1
	Geothermal	119
	Hydro	0.2
	Solar PV	3
	Solar Thermal	112
WECC_PNW	Biomass	64
	Combined Cycle	500
	Combustion Turbine	245
	Geothermal	11
	Hydro	864
	Landfill Gas	65
	Non-Fossil Waste	11
	Solar PV	6
	Wind	998
WECC_SCE	Combustion Turbine	852
	Fuel Cell	9
	Landfill Gas	3
	Solar PV	3121
	Solar Thermal	1247
	Wind	1008
WECC_SF	Combined Cycle	741
	Combustion Turbine	72
	Fuel Cell	9
	Landfill Gas	6
	Solar PV	44
	Wind	2
WECC_SNV	Landfill Gas	11
	Solar PV	923
WECC_UT	Combined Cycle	1258
	Combustion Turbine	8
	Geothermal	63
	Hydro	1
	Solar Thermal	2
	Wind	82
WECC_WY	Combined Cycle	100
	Combustion Turbine	120
	Wind	2

Table 4-33 Nuclear Uprating (MW) as Incorporated in EPA Base Case v.5.15 from AEO 2015

Name	Plant ID	Unit ID	Year	Change in MWs
Fort Calhoun	2289	1	2017	75

Table 4-34 Characteristics of Existing Nuclear Units

Region	State	Plant Name	Needs Unique ID	On-Line Year	Capacity (MW)	Heat Rate (Btu/kWh)	FOM (2011$ /kW-yr)	VOM (2011 mills/kWh)
ERC_REST	Texas	Comanche Peak	6145_G_1	1990	1205	10,460	182	0.18
		Comanche Peak	6145_G_2	1993	1195	10,460	182	0.18
		South Texas Project	6251_G_1	1988	1280	10,460	199	0.18
		South Texas Project	6251_G_2	1989	1280	10,460	199	0.18
FRCC	Florida	St Lucie	6045_G_1	1976	981	10,460	161	0.15
		St Lucie	6045_G_2	1983	981	10,460	161	0.16
		Turkey Point	621_G_3	1972	802	10,460	227	0.21
		Turkey Point	621_G_4	1973	802	10,460	227	0.22
MIS_IA	Iowa	Duane Arnold Energy Center	1060_G_1	1975	601	10,460	188	0.18
MIS_IL	Illinois	Clinton Power Station	204_G_1	1987	1065	10,460	199	0.18
MIS_LMI	Michigan	Fermi	1729_G_2	1988	1085	10,460	179	0.17
		Palisades	1715_G_1	1972	782	10,460	200	0.18
MIS_MNWI	Minnesota	Monticello	1922_G_1	1971	633	10,270	252	0.26
		Prairie Island	1925_G_1	1974	521	11,440	236	0.24
		Prairie Island	1925_G_2	1974	519	11,440	236	0.23
MIS_MO	Missouri	Callaway	6153_G_1	1984	1190	10,460	124	0.12
MIS_WUMS	Wisconsin	Point Beach Nuclear Plant	4046_G_1	1970	591	10,460	204	0.18
		Point Beach Nuclear Plant	4046_G_2	1972	591	10,460	204	0.18
NENG_CT	Connecticut	Millstone	566_G_2	1975	869	10,460	194	0.19
		Millstone	566_G_3	1986	1233	10,460	180	0.19
NENGREST	Massachusetts	Pilgrim Nuclear Power Station	1590_G_1	1972	677	10,460	226	0.18
	New Hampshire	Seabrook	6115_G_1	1990	1246	10,460	199	0.20
NY_Z_A&B	New York	R E Ginna Nuclear Power Plant	6122_G_1	1970	490	10,460	217	0.18
NY_Z_C&E	New York	James A Fitzpatrick	6110_G_1	1976	716	10,460	216	0.18

Region	State	Plant Name	Needs Unique ID	On-Line Year	Capacity (MW)	Heat Rate (Btu/kWh)	FOM (2011$ /kW-yr)	VOM (2011 mills/kWh)
		Nine Mile Point Nuclear Station	2589_G_1	1969	531	10,460	204	0.18
		Nine Mile Point Nuclear Station	2589_G_2	1987	965	10,460	199	0.18
NY_Z_G-I	New York	Indian Point 2	2497_G_2	1973	1020	10,460	207	0.18
		Indian Point 3	8907_G_3	1976	1041	10,460	195	0.18
PJM_ATSI	Ohio	Davis Besse	6149_G_1	1977	894	10,460	180	0.20
		Perry	6020_G_1	1987	1272	10,460	187	0.65
PJM_COMD	Illinois	Braidwood Generation Station	6022_G_1	1988	1178	10,460	194	0.17
		Braidwood Generation Station	6022_G_2	1988	1152	10,460	194	0.18
		Byron Generating Station	6023_G_1	1985	1164	10,460	194	0.18
		Byron Generating Station	6023_G_2	1987	1136	10,460	194	0.17
		Dresden Generating Station	869_G_2	1970	883	10,460	212	0.17
		Dresden Generating Station	869_G_3	1971	867	10,460	212	0.18
		LaSalle Generating Station	6026_G_1	1984	1137	10,427	193	0.17
		LaSalle Generating Station	6026_G_2	1984	1140	10,427	193	0.17
		Quad Cities Generating Station	880_G_1	1972	908	10,460	193	0.17
		Quad Cities Generating Station	880_G_2	1972	911	10,460	193	0.17
PJM_Dom	Virginia	North Anna	6168_G_1	1978	943	10,460	114	0.11
		North Anna	6168_G_2	1980	943	10,460	114	0.11
		Surry	3806_G_1	1972	872	10,427	146	0.13
		Surry	3806_G_2	1973	872	10,427	149	0.13
PJM_EMAC	New Jersey	Oyster Creek	2388_G_1	1969	615	10,460	225	0.18
		PSEG Hope Creek Generating Station	6118_G_1	1986	1174	10,460	180	0.17
		PSEG Salem Generating Station	2410_G_1	1977	1168	10,460	199	0.18
		PSEG Salem Generating Station	2410_G_2	1981	1158	10,460	199	0.18
	Pennsylvania	Limerick	6105_G_1	1986	1146	10,460	200	0.18
		Limerick	6105_G_2	1990	1150	10,460	200	0.18
		Peach Bottom	3166_G_2	1974	1125	10,460	199	0.17
		Peach Bottom	3166_G_3	1974	1125	10,460	199	0.18
PJM_SMAC	Maryland	Calvert Cliffs Nuclear Power Plant	6011_G_1	1975	866	10,460	199	0.17
		Calvert Cliffs Nuclear Power Plant	6011_G_2	1977	850	10,460	199	0.17

Region	State	Plant Name	Needs Unique ID	On-Line Year	Capacity (MW)	Heat Rate (Btu/kWh)	FOM (2011$ /kW-yr)	VOM (2011 mills/kWh)
PJM_West	Michigan	Donald C Cook	6000_G_1	1975	1009	10,460	151	0.21
		Donald C Cook	6000_G_2	1978	1060	10,460	151	0.13
	Pennsylvania	Beaver Valley	6040_G_1	1976	921	10,460	230	0.55
		Beaver Valley	6040_G_2	1987	914	10,460	230	0.58
PJM_WMAC	Pennsylvania	PPL Susquehanna	6103_G_1	1983	1260	10,460	186	0.20
		PPL Susquehanna	6103_G_2	1985	1260	10,460	186	0.18
		Three Mile Island	8011_G_1	1974	805	10,460	194	0.18
S_C_TVA	Alabama	Browns Ferry	46_G_1	1974	1101	10,460	199	0.19
		Browns Ferry	46_G_2	1975	1104	10,460	199	0.19
		Browns Ferry	46_G_3	1977	1105	10,460	199	0.20
	Tennessee	Sequoyah	6152_G_1	1981	1152	10,460	210	0.18
		Sequoyah	6152_G_2	1982	1126	10,460	210	0.18
		Watts Bar Nuclear Plant	7722_G_1	1996	1123	10,460	198	0.19
		Watts Bar Nuclear Plant	7722_G_2	2015	1122	10,460	137	2.16
S_D_AMSO	Louisiana	Waterford 3	4270_G_3	1985	1159	10,460	181	0.13
S_D_N_AR	Arkansas	Arkansas Nuclear One	8055_G_1	1974	836	10,460	162	0.13
		Arkansas Nuclear One	8055_G_2	1980	992	10,460	162	0.13
S_D_REST	Louisiana	River Bend	6462_G_1	1986	975	10,460	163	0.17
	Mississippi	Grand Gulf	6072_G_1	1985	1419	10,460	165	0.13
S_SOU	Alabama	Joseph M Farley	6001_G_1	1977	874	10,460	149	0.14
		Joseph M Farley	6001_G_2	1981	860	10,460	149	0.14
	Georgia	Edwin I Hatch	6051_G_1	1975	876	10,460	133	0.13
		Edwin I Hatch	6051_G_2	1979	883	10,460	133	0.14
		Vogtle	649_G_1	1987	1150	10,460	111	0.09
		Vogtle	649_G_2	1989	1152	10,460	111	0.09
		Vogtle	649_G_3	2017	1100	10,400	113	2.16
		Vogtle	649_G_4	2018	1100	10,400	113	2.16
S_VACA	North Carolina	Brunswick	6014_G_1	1977	938	10,460	155	0.14
		Brunswick	6014_G_2	1975	932	10,460	155	0.15
		Harris	6015_G_1	1987	928	10,460	187	0.16

Region	State	Plant Name	Needs Unique ID	On-Line Year	Capacity (MW)	Heat Rate (Btu/kWh)	FOM (2011$ /kW-yr)	VOM (2011 mills/kWh)
		McGuire	6038_G_1	1981	1158	10,460	137	0.11
		McGuire	6038_G_2	1984	1158	10,460	137	0.11
	South Carolina	Catawba	6036_G_1	1985	1129	10,460	138	0.13
		Catawba	6036_G_2	1986	1129	10,460	138	0.12
		H B Robinson	3251_G_2	1971	741	10,460	142	0.15
		Oconee	3265_G_1	1973	846	10,460	137	0.13
		Oconee	3265_G_2	1974	846	10,460	137	0.12
		Oconee	3265_G_3	1974	846	10,460	137	0.12
		V C Summer	6127_G_1	1984	971	10,460	171	0.17
		V C Summer	6127_G_2	2017	1100	10,400	113	2.16
		V C Summer	6127_G_3	2018	1100	10,400	113	2.16
SPP_N	Kansas	Wolf Creek Generating Station	210_G_1	1985	1175	10,460	158	0.17
SPP_NEBR	Nebraska	Cooper	8036_G_1	1974	766	10,460	199	0.18
		Fort Calhoun	2289_G_1	1973	479	10,460	187	0.22
WEC_CALN	California	Diablo Canyon	6099_G_1	1985	1122	10,460	170	0.17
		Diablo Canyon	6099_G_2	1986	1118	10,460	170	0.18
WECC_AZ	Arizona	Palo Verde	6008_G_1	1986	1311	10,460	236	0.23
		Palo Verde	6008_G_2	1986	1314	10,460	236	0.23
		Palo Verde	6008_G_3	1988	1312	10,460	236	0.22
WECC_PNW	Washington	Columbia Generating Station	371_G_2	1984	1132	10,460	202	0.21

Table 4-35 Capacity Not Included Based on EIA form 860 – Existing Units

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Hospira Inc	55788	GEN1	Combustion Turbine	New York	1.1	Dropped - Onsite Unit
Hospira Inc	55788	GEN2	Combustion Turbine	New York	1.1	Dropped - Onsite Unit
AG Processing Inc	10223	E.C.	Coal Steam	Iowa	8.5	Dropped - Onsite Unit
Oxford Cogeneration Facility	52093	GEN1	Combustion Turbine	California	2.4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Oxford Cogeneration Facility	52093	GEN2	Combustion Turbine	California	2.4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
South Belridge Cogeneration Facility	50752	GEN1	Combustion Turbine	California	19	Dropped - Onsite Unit
South Belridge Cogeneration Facility	50752	GEN2	Combustion Turbine	California	19	Dropped - Onsite Unit
South Belridge Cogeneration Facility	50752	GEN3	Combustion Turbine	California	19	Dropped - Onsite Unit
Lost Hills Cogeneration Plant	52077	GEN4	Combustion Turbine	California	2.7	Dropped - Onsite Unit
Lost Hills Cogeneration Plant	52077	GEN5	Combustion Turbine	California	2.7	Dropped - Onsite Unit
Lost Hills Cogeneration Plant	52077	GEN6	Combustion Turbine	California	2.7	Dropped - Onsite Unit
AES Hawaii	10673	GEN1	Coal Steam	Hawaii	180	Dropped - in Alaska or in Hawaii
Agrium Kenai Nitrogen Operations	54452	744A	Combustion Turbine	Alaska	2.5	Dropped - Onsite Unit
Agrium Kenai Nitrogen Operations	54452	744B	Combustion Turbine	Alaska	2.5	Dropped - Onsite Unit
Agrium Kenai Nitrogen Operations	54452	744C	Combustion Turbine	Alaska	2.5	Dropped - Onsite Unit
Agrium Kenai Nitrogen Operations	54452	744D	Combustion Turbine	Alaska	2.5	Dropped - Onsite Unit
Agrium Kenai Nitrogen Operations	54452	744E	Combustion Turbine	Alaska	2.5	Dropped - Onsite Unit
Southside Water Reclamation Plant	10339	GEN1	Non-Fossil Waste	New Mexico	2.1	Dropped - Onsite Unit
Southside Water Reclamation Plant	10339	GEN2	Non-Fossil Waste	New Mexico	2.1	Dropped - Onsite Unit
Southside Water Reclamation Plant	10339	GEN3	Non-Fossil Waste	New Mexico	1.1	Dropped - Onsite Unit
Southside Water Reclamation Plant	10339	GEN4	Non-Fossil Waste	New Mexico	1.1	Dropped - Onsite Unit
Annex Creek	62	5	Hydro	Alaska	1.8	Dropped - in Alaska or in Hawaii
Annex Creek	62	6	Hydro	Alaska	1.8	Dropped - in Alaska or in Hawaii
Gold Creek	63	1	Hydro	Alaska	0.8	Dropped - in Alaska or in Hawaii
Gold Creek	63	2	Hydro	Alaska	0.4	Dropped - in Alaska or in Hawaii
Gold Creek	63	3	Hydro	Alaska	0.4	Dropped - in Alaska or in Hawaii
Gold Creek	63	IC1	Combustion Turbine	Alaska	1.2	Dropped - in Alaska or in Hawaii
Gold Creek	63	IC2	Combustion Turbine	Alaska	1.2	Dropped - in Alaska or in Hawaii
Gold Creek	63	IC3	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Gold Creek	63	IC4	Combustion Turbine	Alaska	3.5	Dropped - in Alaska or in Hawaii
Gold Creek	63	IC5	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Lemon Creek	64	1	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Lemon Creek	64	2	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Lemon Creek	64	3	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Lemon Creek	64	5	Combustion Turbine	Alaska	17.5	Dropped - in Alaska or in Hawaii
Lemon Creek	64	6	Combustion Turbine	Alaska	17.5	Dropped - in Alaska or in Hawaii
Lemon Creek	64	7	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Lemon Creek	64	IC10	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Lemon Creek	64	IC11	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Lemon Creek	64	IC12	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Lemon Creek	64	IC8	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Lemon Creek	64	IC9	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Salmon Creek 1	65	HY7	Hydro	Alaska	5.2	Dropped - in Alaska or in Hawaii
Snettisham	78	1	Hydro	Alaska	23.5	Dropped - in Alaska or in Hawaii
Snettisham	78	2	Hydro	Alaska	23.5	Dropped - in Alaska or in Hawaii
Snettisham	78	3	Hydro	Alaska	31	Dropped - in Alaska or in Hawaii
Auke Bay	7250	13	Combustion Turbine	Alaska	2.8	Dropped - in Alaska or in Hawaii
Auke Bay	7250	14	Combustion Turbine	Alaska	23	Dropped - in Alaska or in Hawaii
Auke Bay	7250	4	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Lake Dorothy Hydroelectric Project	57085	1	Hydro	Alaska	14.3	Dropped - in Alaska or in Hawaii
Skagway	66	1	Hydro	Alaska	0.4	Dropped - in Alaska or in Hawaii
Skagway	66	2	Hydro	Alaska	0.1	Dropped - in Alaska or in Hawaii
Skagway	66	3	Hydro	Alaska	0.3	Dropped - in Alaska or in Hawaii
Skagway	66	4	Hydro	Alaska	0.2	Dropped - in Alaska or in Hawaii
Skagway	66	6A	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Skagway	66	7A	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Skagway	66	8A	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Skagway	66	9	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Haines	69	10	Combustion Turbine	Alaska	1.2	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Haines	69	5	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
Haines	69	7A	Combustion Turbine	Alaska	2.8	Dropped - in Alaska or in Hawaii
Haines	69	IC8A	Combustion Turbine	Alaska	1.6	Dropped - in Alaska or in Hawaii
Tok	406	3A	Combustion Turbine	Alaska	1.3	Dropped - in Alaska or in Hawaii
Tok	406	4A	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Tok	406	5A	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Tok	406	6	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Tok	406	7a	Combustion Turbine	Alaska	2.3	Dropped - in Alaska or in Hawaii
Tok	406	8	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Tok	406	9	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
Craig	421	1	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
Craig	421	3A	Combustion Turbine	Alaska	1.6	Dropped - in Alaska or in Hawaii
Craig	421	5	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Craig	421	6	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Hydaburg	423	1A	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Hydaburg	423	3A	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Hydaburg	423	5	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Northway	7169	1A	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Northway	7169	2A	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Northway	7169	5	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Thorne Bay Plant	7414	2	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
Thorne Bay Plant	7414	4	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Goat Lake Hydro	7751	1	Hydro	Alaska	4	Dropped - in Alaska or in Hawaii
Black Bear Lake	7752	1	Hydro	Alaska	4.5	Dropped - in Alaska or in Hawaii
False Island	56146	1	Combustion Turbine	Alaska	1.3	Dropped - in Alaska or in Hawaii
Viking	56147	1	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
South Fork	56265	1	Hydro	Alaska	1.9	Dropped - in Alaska or in Hawaii
Kasidaya Creek Hydro	56542	1	Hydro	Alaska	3	Dropped - in Alaska or in Hawaii
Emmonak	6314	2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Emmonak	6314	4a	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Emmonak	6314	5a	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Emmonak	6314	6	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
Hooper Bay	6319	3A	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Hooper Bay	6319	4A	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Hooper Bay	6319	5	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Hooper Bay	6319	6	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Kiana	6323	1B	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Kiana	6323	3A	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Kiana	6323	4	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Mountain Village	6329	1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Mountain Village	6329	3A	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Mountain Village	6329	4	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
Mountain Village	6329	5	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Noorvik	6330	1A	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Noorvik	6330	2A	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Noorvik	6330	3	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
St Marys	6338	1B	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
St Marys	6338	2	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
St Marys	6338	3	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
Selawik	6341	1A	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Selawik	6341	2A	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Selawik	6341	3A	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Shishmaref	6345	1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Shishmaref	6345	2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Shishmaref	6345	3	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Shishmaref	6345	4	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Togiak	6348	2a	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Togiak	6348	4	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Togiak	6348	4a	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Noatak	57051	UNIT2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Noatak	57051	UNIT4	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Noatak	57051	UNIT5	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Savoonga	57052	UNIT1	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Savoonga	57052	UNIT2	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Savoonga	57052	UNIT3	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Alakanuk	57053	UNIT1	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Alakanuk	57053	UNIT2	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Alakanuk	57053	UNIT3	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Upper Kalskag	57054	UNIT1	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Upper Kalskag	57054	UNIT2	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Upper Kalskag	57054	UNIT3	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Stebbins	57055	UNIT1	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Stebbins	57055	UNIT2	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Stebbins	57055	UNIT3	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Scammon Bay	57056	UNIT1	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Scammon Bay	57056	UNIT2	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Scammon Bay	57056	UNIT3	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Quinhagak	57057	UNIT1	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Quinhagak	57057	UNIT2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Quinhagak	57057	UNIT3	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Pilot Station	57058	UNIT1	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Pilot Station	57058	UNIT2	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Pilot Station	57058	UNIT3	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Koyuk	57059	UNIT1	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Koyuk	57059	UNIT2	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Koyuk	57059	UNIT3	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Elim	57060	UNIT1	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Elim	57060	UNIT2	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Elim	57060	UNIT3	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
St. Michael	57061	UNIT1	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
St. Michael	57061	UNIT2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
St. Michael	57061	UNIT3	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Gambell	57062	UNIT1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Gambell	57062	UNIT2	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Gambell	57062	UNIT3	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Shungnak	57063	UNIT1	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Shungnak	57063	UNIT2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Shungnak	57063	UNIT3	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Shungnak	57063	UNIT4	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Kotlik	57064	UNIT1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Kotlik	57064	UNIT2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Kotlik	57064	UNIT3	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Kotlik	57064	UNIT4	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Kivalina	57065	UNIT1	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Kivalina	57065	UNIT2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Kivalina	57065	UNIT3	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Kivalina	57065	UNIT4	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Kasigluk	57066	5A	Combustion Turbine	Alaska	0.7	Dropped - in Alaska or in Hawaii
Kasigluk	57066	UNIT1	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Kasigluk	57066	UNIT2	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Toksook Bay	57067	UNIT1	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Toksook Bay	57067	UNIT2	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Toksook Bay	57067	UNIT3	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Akron Recycle Energy Plant	54265	1	Biomass	Ohio	2	Dropped - Onsite Unit
Akron Recycle Energy Plant	54265	2	Biomass	Ohio	2	Dropped - Onsite Unit
Cheoah	54899	1	Hydro	North Carolina	21	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cheoah	54899	2	Hydro	North Carolina	21	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cheoah	54899	3	Hydro	North Carolina	21	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cheoah	54899	4	Hydro	North Carolina	21	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Alliant SBD 9402 Climax	54930	5100	Combustion Turbine	Iowa	1.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Alliant SBD 9402 Climax	54930	5200	Combustion Turbine	Iowa	1.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Alliant SBD 9402 Climax	54930	5300	Combustion Turbine	Iowa	1.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Alliant SBD 9402 Climax	54930	5400	Combustion Turbine	Iowa	1.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Alliant SBD 9402 Climax	54930	5500	Combustion Turbine	Iowa	1.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Big Spring Texas Refinery	10569	GENA	Non-Fossil Waste	Texas	1.5	Dropped - Onsite Unit
Wasson CO2 Removal Plant	52122	GEN1	Combustion Turbine	Texas	14	Dropped - Onsite Unit
Amalgamated Sugar Twin Falls	10504	1500	Coal Steam	Idaho	1.2	Dropped - Onsite Unit
Amalgamated Sugar Twin Falls	10504	2500	Coal Steam	Idaho	2.3	Dropped - Onsite Unit
Amalgamated Sugar Twin Falls	10504	4000	Coal Steam	Idaho	5	Dropped - Onsite Unit
American Crystal Sugar Hillsboro	54210	G1	Coal Steam	North Dakota	13.3	Dropped - Onsite Unit
American Crystal Sugar Moorhead	54211	G1	Coal Steam	Minnesota	3	Dropped - Onsite Unit
American Crystal Sugar Moorhead	54211	G2	Coal Steam	Minnesota	2	Dropped - Onsite Unit
American Crystal Sugar Crookston	54212	G1	Coal Steam	Minnesota	3.5	Dropped - Onsite Unit
American Crystal Sugar Crookston	54212	G2	Coal Steam	Minnesota	3	Dropped - Onsite Unit
American Crystal Sugar Drayton	54213	G1	Coal Steam	North Dakota	6	Dropped - Onsite Unit
American Crystal Sugar East Grand Forks	54214	G1	Coal Steam	Minnesota	2.5	Dropped - Onsite Unit
American Crystal Sugar East Grand Forks	54214	G2	Coal Steam	Minnesota	5	Dropped - Onsite Unit
Domino Sugar Arabi Plant	54512	TG1	O/G Steam	Louisiana	4.2	Dropped - Onsite Unit
Domino Sugar Arabi Plant	54512	TG2	O/G Steam	Louisiana	2.4	Dropped - Onsite Unit
Domino Sugar Arabi Plant	54512	TG3	O/G Steam	Louisiana	3	Dropped - Onsite Unit
Anchorage 1	75	1	Combustion Turbine	Alaska	14	Dropped - in Alaska or in Hawaii
Anchorage 1	75	2	Combustion Turbine	Alaska	14	Dropped - in Alaska or in Hawaii
Anchorage 1	75	3R	Combustion Turbine	Alaska	29.3	Dropped - in Alaska or in Hawaii
Anchorage 1	75	4	Combustion Turbine	Alaska	31.1	Dropped - in Alaska or in Hawaii
Eklutna Hydro Project	77	1	Hydro	Alaska	22.2	Dropped - in Alaska or in Hawaii
Eklutna Hydro Project	77	2	Hydro	Alaska	22.2	Dropped - in Alaska or in Hawaii
George M Sullivan Generation Plant 2	6559	5	Combined Cycle	Alaska	33.8	Dropped - in Alaska or in Hawaii
George M Sullivan Generation Plant 2	6559	6	Combined Cycle	Alaska	34	Dropped - in Alaska or in Hawaii
George M Sullivan Generation Plant 2	6559	7	Combined Cycle	Alaska	74.4	Dropped - in Alaska or in Hawaii
George M Sullivan Generation Plant 2	6559	GT8	Combustion Turbine	Alaska	77.7	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Anheuser-Busch St Louis	10430	GEN1	Coal Steam	Missouri	11	Dropped - Onsite Unit
Anheuser-Busch St Louis	10430	GEN3	Coal Steam	Missouri	11	Dropped - Onsite Unit
Anheuser-Busch St Louis	10430	GEN4	Coal Steam	Missouri	4.1	Dropped - Onsite Unit
Anheuser-Busch Jacksonville	10431	GEN1	Combustion Turbine	Florida	8.6	Dropped - Onsite Unit
Archer Daniels Midland Clinton	10860	1A	Coal Steam	Iowa	75	Dropped - Onsite Unit
Archer Daniels Midland Clinton	10860	2A	Coal Steam	Iowa	105	Dropped - Onsite Unit
Archer Daniels Midland Des Moines	10861	GEN1	Coal Steam	Iowa	7.9	Dropped - Onsite Unit
Archer Daniels Midland Lincoln	10862	GEN1	Coal Steam	Nebraska	7.9	Dropped - Onsite Unit
Archer Daniels Midland Mankato	10863	GEN1	Coal Steam	Minnesota	6.2	Dropped - Onsite Unit
Archer Daniels Midland Cedar Rapids	10864	GEN1	Coal Steam	Iowa	31	Dropped - Onsite Unit
Archer Daniels Midland Cedar Rapids	10864	GEN2	Coal Steam	Iowa	31	Dropped - Onsite Unit
Archer Daniels Midland Cedar Rapids	10864	GEN3	Coal Steam	Iowa	31	Dropped - Onsite Unit
Archer Daniels Midland Cedar Rapids	10864	GEN4	Coal Steam	Iowa	31	Dropped - Onsite Unit
Archer Daniels Midland Cedar Rapids	10864	GEN5	Coal Steam	Iowa	31	Dropped - Onsite Unit
Archer Daniels Midland Cedar Rapids	10864	GEN6	Coal Steam	Iowa	105	Dropped - Onsite Unit
Archer Daniels Midland Decatur	10865	GEN2	Coal Steam	Illinois	31	Dropped - Onsite Unit
Archer Daniels Midland Decatur	10865	GEN3	Coal Steam	Illinois	31	Dropped - Onsite Unit
Archer Daniels Midland Decatur	10865	GEN4	Coal Steam	Illinois	31	Dropped - Onsite Unit
Archer Daniels Midland Decatur	10865	GEN5	Coal Steam	Illinois	31	Dropped - Onsite Unit
Archer Daniels Midland Decatur	10865	GEN6	Coal Steam	Illinois	31	Dropped - Onsite Unit
Archer Daniels Midland Decatur	10865	GEN7	Coal Steam	Illinois	75	Dropped - Onsite Unit
Archer Daniels Midland Decatur	10865	GEN8	Coal Steam	Illinois	105	Dropped - Onsite Unit
Archer Daniels Midland Peoria	10866	GEN1	Coal Steam	Illinois	1.5	Dropped - Onsite Unit
Archer Daniels Midland Peoria	10866	GEN2	Coal Steam	Illinois	1.5	Dropped - Onsite Unit
Archer Daniels Midland Peoria	10866	GEN3	Coal Steam	Illinois	4	Dropped - Onsite Unit
Archer Daniels Midland Peoria	10866	GEN4	Coal Steam	Illinois	4	Dropped - Onsite Unit
Archer Daniels Midland Peoria	10866	GEN5	Coal Steam	Illinois	4	Dropped - Onsite Unit
Archer Daniels Midland Peoria	10866	GEN6	Combustion Turbine	Illinois	15	Dropped - Onsite Unit
Archer Daniels Midland Peoria	10866	GEN7	Combustion Turbine	Illinois	15	Dropped - Onsite Unit
Archer Daniels Midland Peoria	10866	GEN8	Combustion Turbine	Illinois	10	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Galesburg	54310	GEN1	Combustion Turbine	Illinois	1	Dropped - Onsite Unit
Galesburg	54310	GEN2	Combustion Turbine	Illinois	1	Dropped - Onsite Unit
Galesburg	54310	GEN3	Combustion Turbine	Illinois	1	Dropped - Onsite Unit
Archer Daniels Midland Southport	54316	GEN1	Combustion Turbine	North Carolina	15	Dropped - Onsite Unit
Archer Daniels Midland Southport	54316	GEN2	Combustion Turbine	North Carolina	15	Dropped - Onsite Unit
Archer Daniels Midland Southport	54316	GEN3	Combustion Turbine	North Carolina	15	Dropped - Onsite Unit
Enderlin	54908	GEN1	Biomass	North Dakota	5.1	Dropped - Onsite Unit
Enderlin	54908	GEN2	Biomass	North Dakota	4.7	Dropped - Onsite Unit
Mansfield	55046	GEN1	Combustion Turbine	Massachusetts	1	Dropped - Onsite Unit
Mansfield	55046	GEN2	Combustion Turbine	Massachusetts	1	Dropped - Onsite Unit
Mansfield	55046	GEN3	Combustion Turbine	Massachusetts	1	Dropped - Onsite Unit
Walhalla	55638	GEN1	Coal Steam	North Dakota	2	Dropped - Onsite Unit
Perma Treat Corporation	10053	1	Biomass	Maine	0.5	Dropped - Onsite Unit
Perma Treat Corporation	10053	DG2	Combustion Turbine	Maine	0.5	Dropped - Onsite Unit
Pakini Nui Wind Farm	56378	1	Wind	Hawaii	21	Dropped - in Alaska or in Hawaii
Atlanta Gift Mart LP	54877	BUG	Combustion Turbine	Georgia	1.2	Dropped - Onsite Unit
Port Arthur Texas Refinery	10568	GEN1	Combustion Turbine	Texas	28.4	Dropped - Onsite Unit
Aurora Energy LLC Chena	79	1	Coal Steam	Alaska	6	Dropped - in Alaska or in Hawaii
Aurora Energy LLC Chena	79	2	Coal Steam	Alaska	2.5	Dropped - in Alaska or in Hawaii
Aurora Energy LLC Chena	79	5	Coal Steam	Alaska	23.9	Dropped - in Alaska or in Hawaii
B Braun Medical	50200	GEN1	Combustion Turbine	California	2.7	Dropped - Onsite Unit
B Braun Medical	50200	GEN2	Combustion Turbine	California	3	Dropped - Onsite Unit
Geismar	10319	GEN1	Combustion Turbine	Louisiana	33.7	Dropped - Onsite Unit
Geismar	10319	GEN2	Combustion Turbine	Louisiana	39.2	Dropped - Onsite Unit
Geismar	10319	GEN3	O/G Steam	Louisiana	7.2	Dropped - Onsite Unit
BASF Freeport Works	55311	GEN1	Combustion Turbine	Texas	75	Dropped - Onsite Unit
BASF Freeport Works	55311	GEN2	O/G Steam	Texas	11.7	Dropped - Onsite Unit
Barrow	7173	10	Combustion Turbine	Alaska	1.5	Dropped - in Alaska or in Hawaii
Barrow	7173	11	Combustion Turbine	Alaska	4.8	Dropped - in Alaska or in Hawaii
Barrow	7173	12	Combustion Turbine	Alaska	5	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Barrow	7173	6	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Barrow	7173	7	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Barrow	7173	8	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Barrow	7173	9	Combustion Turbine	Alaska	1.5	Dropped - in Alaska or in Hawaii
Bassett Healthcare	54863	1	Combustion Turbine	New York	0.8	Dropped - Onsite Unit
Bassett Healthcare	54863	2	Combustion Turbine	New York	0.8	Dropped - Onsite Unit
Bassett Healthcare	54863	3	Combustion Turbine	New York	0.8	Dropped - Onsite Unit
Bassett Healthcare	54863	4	Combustion Turbine	New York	1.6	Dropped - Onsite Unit
Bassett Healthcare	54863	5	Combustion Turbine	New York	2	Dropped - Onsite Unit
Bethel	6566	1	Combustion Turbine	Alaska	2.1	Dropped - in Alaska or in Hawaii
Bethel	6566	2	Combustion Turbine	Alaska	2.1	Dropped - in Alaska or in Hawaii
Bethel	6566	3	Combustion Turbine	Alaska	2.1	Dropped - in Alaska or in Hawaii
Bethel	6566	4	Combustion Turbine	Alaska	2.1	Dropped - in Alaska or in Hawaii
Bethel	6566	6	Combustion Turbine	Alaska	2.1	Dropped - in Alaska or in Hawaii
Bethel	6566	7	Combustion Turbine	Alaska	2.1	Dropped - in Alaska or in Hawaii
Biola University	54296	EG1	Combustion Turbine	California	0.6	Dropped - Onsite Unit
Biola University	54296	EG2	Combustion Turbine	California	0.6	Dropped - Onsite Unit
Biola University	54296	EG3	Combustion Turbine	California	1	Dropped - Onsite Unit
DeRidder Mill	10488	TG	Non-Fossil Waste	Louisiana	61.5	Dropped - Onsite Unit
Bob Jones University Cogen Plant	10280	ENG1	Combustion Turbine	South Carolina	1.1	Dropped - Onsite Unit
Bob Jones University Cogen Plant	10280	ENG2	Combustion Turbine	South Carolina	1.1	Dropped - Onsite Unit
Bob Jones University Cogen Plant	10280	ENG3	Combustion Turbine	South Carolina	1.1	Dropped - Onsite Unit
Bob Jones University Cogen Plant	10280	ENG4	Combustion Turbine	South Carolina	1.1	Dropped - Onsite Unit
Bob Jones University Cogen Plant	10280	ENG5	Combustion Turbine	South Carolina	1	Dropped - Onsite Unit
Bob Jones University Cogen Plant	10280	ENG6	Combustion Turbine	South Carolina	1	Dropped - Onsite Unit
Bob Jones University Cogen Plant	10280	ENG7	Combustion Turbine	South Carolina	1	Dropped - Onsite Unit
Boise Cascade International Falls	10486	GEN1	O/G Steam	Minnesota	4	Dropped - Onsite Unit
Boise Cascade International Falls	10486	GEN2	O/G Steam	Minnesota	4	Dropped - Onsite Unit
Boise Cascade International Falls	10486	GEN3	O/G Steam	Minnesota	7.5	Dropped - Onsite Unit
Boise Cascade International Falls	10486	GEN4	O/G Steam	Minnesota	7.5	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Boise Cascade International Falls	10486	GEN5	O/G Steam	Minnesota	6.2	Dropped - Onsite Unit
International Falls Power	10487	GEN1	Hydro	Minnesota	2.2	Dropped - Onsite Unit
International Falls Power	10487	GEN2	Hydro	Minnesota	2.2	Dropped - Onsite Unit
International Falls Power	10487	GEN3	Hydro	Minnesota	2.2	Dropped - Onsite Unit
International Falls Power	10487	GEN4	Hydro	Minnesota	2.2	Dropped - Onsite Unit
International Falls Power	10487	GEN5	Hydro	Minnesota	2.2	Dropped - Onsite Unit
International Falls Power	10487	GEN6	Hydro	Minnesota	1.6	Dropped - Onsite Unit
International Falls Power	10487	GEN7	Hydro	Minnesota	1.6	Dropped - Onsite Unit
U S Alliance Coosa Pines	54216	AOW6	Coal Steam	Alabama	11.6	Dropped - Onsite Unit
U S Alliance Coosa Pines	54216	GEN7	Non-Fossil Waste	Alabama	15	Dropped - Onsite Unit
Alliance Refinery	52031	GEN1	Combustion Turbine	Louisiana	6	Dropped - Onsite Unit
Alliance Refinery	52031	GEN2	O/G Steam	Louisiana	19	Dropped - Onsite Unit
Bristol Myers Squibb	54829	GEN1	Combustion Turbine	New Jersey	8.8	Dropped - Onsite Unit
Bristol Myers Squibb	54829	GEN2	O/G Steam	New Jersey	0.6	Dropped - Onsite Unit
Brooklyn	1128	1	Combustion Turbine	Iowa	0.2	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Brooklyn	1128	2	Combustion Turbine	Iowa	0.2	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Brooklyn	1128	3	Combustion Turbine	Iowa	0.2	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Brooklyn	1128	5	Combustion Turbine	Iowa	1	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Brown University Central Heating	51029	EMG1	O/G Steam	Rhode Island	3	Dropped - Onsite Unit
Bunge Oil	52034	1	Combustion Turbine	Illinois	2.8	Dropped - Onsite Unit
Glines Hydroelectric Project	54050	GEN1	Hydro	Washington	6	Dropped - Onsite Unit
Elwha Hydroelectric Project	54051	GEN1	Hydro	Washington	3	Dropped - Onsite Unit
Elwha Hydroelectric Project	54051	GEN2	Hydro	Washington	3	Dropped - Onsite Unit
Elwha Hydroelectric Project	54051	GEN3	Hydro	Washington	3.2	Dropped - Onsite Unit
Elwha Hydroelectric Project	54051	GEN4	Hydro	Washington	3.3	Dropped - Onsite Unit
Buckeye Florida LP	50466	GEN2	Non-Fossil Waste	Florida	6.7	Dropped - Onsite Unit
Buckeye Florida LP	50466	GEN3	Non-Fossil Waste	Florida	9.7	Dropped - Onsite Unit
Buckeye Florida LP	50466	GEN4	Non-Fossil Waste	Florida	12.2	Dropped - Onsite Unit
Buckeye Florida LP	50466	GEN5	Non-Fossil Waste	Florida	9.3	Dropped - Onsite Unit
Sherwin Alumina	54291	1	Non-Fossil Waste	Texas	6	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Sherwin Alumina	54291	2	Non-Fossil Waste	Texas	6	Dropped - Onsite Unit
Sherwin Alumina	54291	3	Non-Fossil Waste	Texas	6	Dropped - Onsite Unit
Sherwin Alumina	54291	4	Non-Fossil Waste	Texas	6	Dropped - Onsite Unit
BP Carson Refinery	50540	GEN1	Non-Fossil Waste	California	6.5	Dropped - Onsite Unit
BP Carson Refinery	50540	GEN2	O/G Steam	California	1.5	Dropped - Onsite Unit
Cargill Salt	54965	ACTG	Coal Steam	Michigan	2	Dropped - Onsite Unit
Richard J Donovan Correctional Facility	54936	3	Combustion Turbine	California	2.2	Dropped - Onsite Unit
Naval Hospital Medical Center	50963	4TG	Combustion Turbine	California	4.4	Dropped - Onsite Unit
California Institute of Technology	10262	GEN6	Combined Cycle	California	9	Dropped - Onsite Unit
California Institute of Technology	10262	GEN7	Combined Cycle	California	2.1	Dropped - Onsite Unit
Rittman Paperboard	54235	GEN1	Coal Steam	Ohio	3	Dropped - Onsite Unit
Rittman Paperboard	54235	GEN2	Coal Steam	Ohio	5	Dropped - Onsite Unit
Rittman Paperboard	54235	GEN3	Coal Steam	Ohio	6	Dropped - Onsite Unit
Lee	2709	1	Coal Steam	North Carolina	74	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Lee	2709	2	Coal Steam	North Carolina	77	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Lee	2709	3	Coal Steam	North Carolina	240	Dropped - PLANNED_RETIREMENT_YEAR <=2015
W H Weatherspoon	2716	1	Coal Steam	North Carolina	48	Dropped - PLANNED_RETIREMENT_YEAR <=2015
W H Weatherspoon	2716	2	Coal Steam	North Carolina	48	Dropped - PLANNED_RETIREMENT_YEAR <=2015
W H Weatherspoon	2716	3	Coal Steam	North Carolina	74	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cargill Corn Wet Milling Plant	10729	GEN1	Coal Steam	Tennessee	10.3	Dropped - Onsite Unit
Cargill Corn Milling Division	10855	GEN1	Coal Steam	Iowa	18.7	Dropped - Onsite Unit
Cargill Corn Milling Division	10855	GEN2	Coal Steam	Iowa	18	Dropped - Onsite Unit
Caterpillar	50935	3512	Combustion Turbine	Indiana	0.8	Dropped - Onsite Unit
Caterpillar	50935	3516	Combustion Turbine	Indiana	0.8	Dropped - Onsite Unit
Caterpillar	50935	516A	Combustion Turbine	Indiana	1.8	Dropped - Onsite Unit
Caterpillar	50935	R12	Combustion Turbine	Indiana	0.3	Dropped - Onsite Unit
Bunge North America East LLC	50316	3516	Coal Steam	Indiana	2.2	Dropped - Onsite Unit
Central Michigan University	56190	GT1	Combustion Turbine	Michigan	3.2	Dropped - Onsite Unit
Central Michigan University	56190	STM1	Biomass	Michigan	1	Dropped - Onsite Unit
El Segundo Cogen	10213	GEN1	Combined Cycle	California	38.7	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
El Segundo Cogen	10213	GEN2	Combined Cycle	California	38.7	Dropped - Onsite Unit
El Segundo Cogen	10213	GEN3	Combined Cycle	California	1	Dropped - Onsite Unit
El Segundo Cogen	10213	GEN4	Combined Cycle	California	1	Dropped - Onsite Unit
El Segundo Cogen	10213	GEN5	Combined Cycle	California	39.2	Dropped - Onsite Unit
El Segundo Cogen	10213	GEN6	Combined Cycle	California	9.1	Dropped - Onsite Unit
Hawaii Cogen	10194	GEN1	Fossil Waste	Hawaii	3	Dropped - Onsite Unit
Hawaii Cogen	10194	GEN2	Fossil Waste	Hawaii	3	Dropped - Onsite Unit
Hawaii Cogen	10194	GEN3	Fossil Waste	Hawaii	3	Dropped - Onsite Unit
Oak Point Cogen	55857	5121	Combustion Turbine	Louisiana	4	Dropped - Onsite Unit
Oak Point Cogen	55857	5131	Combustion Turbine	Louisiana	4	Dropped - Onsite Unit
Oak Point Cogen	55857	5141	Combustion Turbine	Louisiana	4	Dropped - Onsite Unit
Oak Point Cogen	55857	5151	Combustion Turbine	Louisiana	4	Dropped - Onsite Unit
Oak Point Cogen	55857	5161	Combustion Turbine	Louisiana	4	Dropped - Onsite Unit
Pascagoula Cogen	52084	TG1	Fossil Waste	Mississippi	4	Dropped - Onsite Unit
Beluga	96	1	Combustion Turbine	Alaska	18.9	Dropped - in Alaska or in Hawaii
Beluga	96	2	Combustion Turbine	Alaska	18.9	Dropped - in Alaska or in Hawaii
Beluga	96	3	Combustion Turbine	Alaska	58	Dropped - in Alaska or in Hawaii
Beluga	96	5	Combustion Turbine	Alaska	61.4	Dropped - in Alaska or in Hawaii
Beluga	96	6	Combined Cycle	Alaska	72.6	Dropped - in Alaska or in Hawaii
Beluga	96	7	Combined Cycle	Alaska	70.6	Dropped - in Alaska or in Hawaii
Beluga	96	8	Combined Cycle	Alaska	44	Dropped - in Alaska or in Hawaii
Cooper Lake	6291	1	Hydro	Alaska	9.7	Dropped - in Alaska or in Hawaii
Cooper Lake	6291	2	Hydro	Alaska	9.7	Dropped - in Alaska or in Hawaii
Bernice Lake	6292	2	Combustion Turbine	Alaska	17	Dropped - in Alaska or in Hawaii
Bernice Lake	6292	3	Combustion Turbine	Alaska	22.9	Dropped - in Alaska or in Hawaii
Bernice Lake	6292	4	Combustion Turbine	Alaska	22.5	Dropped - in Alaska or in Hawaii
International	6293	1	Combustion Turbine	Alaska	12.6	Dropped - in Alaska or in Hawaii
International	6293	2	Combustion Turbine	Alaska	12.6	Dropped - in Alaska or in Hawaii
International	6293	3	Combustion Turbine	Alaska	16.7	Dropped - in Alaska or in Hawaii
CC Perry K	992	4	Coal Steam	Indiana	10	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
CC Perry K	992	6	Coal Steam	Indiana	3	Dropped - Onsite Unit
CC Perry K	992	7	Coal Steam	Indiana	1.7	Dropped - Onsite Unit
CC Perry K	992	8	Coal Steam	Indiana	1.7	Dropped - Onsite Unit
Puna Geothermal Venture I	52028	OEC11	Geothermal	Hawaii	3.1	Dropped - in Alaska or in Hawaii
Puna Geothermal Venture I	52028	OEC12	Geothermal	Hawaii	3.1	Dropped - in Alaska or in Hawaii
Puna Geothermal Venture I	52028	OEC13	Geothermal	Hawaii	3.1	Dropped - in Alaska or in Hawaii
Puna Geothermal Venture I	52028	OEC14	Geothermal	Hawaii	3.1	Dropped - in Alaska or in Hawaii
Puna Geothermal Venture I	52028	OEC15	Geothermal	Hawaii	3.1	Dropped - in Alaska or in Hawaii
Puna Geothermal Venture I	52028	OEC21	Geothermal	Hawaii	3.1	Dropped - in Alaska or in Hawaii
Puna Geothermal Venture I	52028	OEC22	Geothermal	Hawaii	3.1	Dropped - in Alaska or in Hawaii
Puna Geothermal Venture I	52028	OEC23	Geothermal	Hawaii	3.1	Dropped - in Alaska or in Hawaii
Puna Geothermal Venture I	52028	OEC24	Geothermal	Hawaii	3.1	Dropped - in Alaska or in Hawaii
Puna Geothermal Venture I	52028	OEC25	Geothermal	Hawaii	3.1	Dropped - in Alaska or in Hawaii
Florida's Natural Growers	10275	CE50	Combustion Turbine	Florida	3.2	Dropped - Onsite Unit
Florida's Natural Growers	10275	TA70	Combustion Turbine	Florida	5.3	Dropped - Onsite Unit
Chino Mines	54667	7	Combined Cycle	New Mexico	15.4	Dropped - Onsite Unit
Chino Mines	54667	9	Combined Cycle	New Mexico	35	Dropped - Onsite Unit
Clark University	10408	GEN1	Combustion Turbine	Massachusetts	1.8	Dropped - Onsite Unit
Bank of America Plaza	55152	GEN1	Combustion Turbine	Georgia	1.3	Dropped - Onsite Unit
Bank of America Plaza	55152	GEN2	Combustion Turbine	Georgia	1.3	Dropped - Onsite Unit
Colonial Sugar Refinery	10301	GEN1	O/G Steam	Louisiana	0.6	Dropped - Onsite Unit
Colonial Sugar Refinery	10301	GEN2	O/G Steam	Louisiana	1.7	Dropped - Onsite Unit
Colonial Sugar Refinery	10301	GEN3	O/G Steam	Louisiana	1.5	Dropped - Onsite Unit
Colonial Sugar Refinery	10301	GEN4	O/G Steam	Louisiana	2.1	Dropped - Onsite Unit
Hewlett Packard Alpharetta	54457	ALF1	Combustion Turbine	Georgia	1	Dropped - Onsite Unit
Hewlett Packard Alpharetta	54457	ALF2	Combustion Turbine	Georgia	1	Dropped - Onsite Unit
Hewlett Packard Alpharetta	54457	ALF3	Combustion Turbine	Georgia	1	Dropped - Onsite Unit
Hewlett Packard Alpharetta	54457	ALF4	Combustion Turbine	Georgia	1	Dropped - Onsite Unit
Hewlett Packard Alpharetta	54457	ALF5	Combustion Turbine	Georgia	1	Dropped - Onsite Unit
Hewlett Packard Alpharetta	54457	B1GN1	Combustion Turbine	Georgia	1.4	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Hewlett Packard Alpharetta	54457	B1GN2	Combustion Turbine	Georgia	1.4	Dropped - Onsite Unit
Heat Recovery Coke Facility	55066	TG18	Non-Fossil Waste	Indiana	88	Dropped - Onsite Unit
Solomon Gulch	390	1	Hydro	Alaska	6	Dropped - in Alaska or in Hawaii
Solomon Gulch	390	2	Hydro	Alaska	6	Dropped - in Alaska or in Hawaii
Glennallen	6305	3	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Glennallen	6305	4	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Glennallen	6305	5	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Glennallen	6305	6	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Glennallen	6305	7	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Glennallen	6305	8	Combustion Turbine	Alaska	1.2	Dropped - in Alaska or in Hawaii
Glennallen	6305	9	Combustion Turbine	Alaska	2.8	Dropped - in Alaska or in Hawaii
Valdez	6306	1	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Valdez	6306	2	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Valdez	6306	3	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Valdez	6306	4	Combustion Turbine	Alaska	1.5	Dropped - in Alaska or in Hawaii
Valdez	6306	5	Combustion Turbine	Alaska	2	Dropped - in Alaska or in Hawaii
Valdez	6306	6	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Valdez	6306	7	Combustion Turbine	Alaska	2.8	Dropped - in Alaska or in Hawaii
Valdez Cogen	7841	1	Combustion Turbine	Alaska	5.1	Dropped - in Alaska or in Hawaii
Corn Products Stockton Plant	52115	GEN1	Combustion Turbine	California	2.8	Dropped - Onsite Unit
Anderson Power Products Division	10553	3622	Combustion Turbine	Massachusetts	0.1	Dropped - Onsite Unit
Anderson Power Products Division	10553	6033	Combustion Turbine	Massachusetts	0.3	Dropped - Onsite Unit
Anderson Power Products Division	10553	6035	Combustion Turbine	Massachusetts	0.3	Dropped - Onsite Unit
Anderson Power Products Division	10553	6046	Combustion Turbine	Massachusetts	0.3	Dropped - Onsite Unit
Cornell Hydro	10286	1	Hydro	New York	0.5	Dropped - Onsite Unit
Cornell Hydro	10286	2	Hydro	New York	1.1	Dropped - Onsite Unit
Corn Products Winston Salem	54618	7500	Biomass	North Carolina	6.6	Dropped - Onsite Unit
Corn Products Winston Salem	54618	900	Biomass	North Carolina	0.4	Dropped - Onsite Unit
Cutrale Citrus Juices USA I	10020	GEN1	Combustion Turbine	Florida	3.1	Dropped - Onsite Unit
Cutrale Citrus Juices USA II	10188	GEN1	Combined Cycle	Florida	3	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Cutrale Citrus Juices USA II	10188	GEN2	Combined Cycle	Florida	3	Dropped - Onsite Unit
Cutrale Citrus Juices USA II	10188	GEN3	Combined Cycle	Florida	1.3	Dropped - Onsite Unit
Crotched Mountain Rehabilitation Center	54515	GEN1	Combustion Turbine	New Hampshire	0.7	Dropped - Onsite Unit
Crotched Mountain Rehabilitation Center	54515	GEN2	Combustion Turbine	New Hampshire	0.7	Dropped - Onsite Unit
Crotched Mountain Rehabilitation Center	54515	GEN3	Combustion Turbine	New Hampshire	0.7	Dropped - Onsite Unit
Georgia Pacific Crossett	10606	GEN4	Non-Fossil Waste	Arkansas	28	Dropped - Onsite Unit
Georgia Pacific Crossett	10606	GEN5	Non-Fossil Waste	Arkansas	30	Dropped - Onsite Unit
Georgia Pacific Crossett	10606	GEN6	Non-Fossil Waste	Arkansas	34	Dropped - Onsite Unit
Dartmouth College Heating Plant	54409	GEN1	O/G Steam	New Hampshire	2	Dropped - Onsite Unit
Dartmouth College Heating Plant	54409	GEN2	O/G Steam	New Hampshire	2	Dropped - Onsite Unit
Dartmouth College Heating Plant	54409	GEN3	O/G Steam	New Hampshire	3	Dropped - Onsite Unit
Aniak	7182	1	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Aniak	7182	9	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
Georgia-Pacific Corp - Nekoosa Mill	50395	HY1	Hydro	Wisconsin	0.8	Dropped - Onsite Unit
Georgia-Pacific Corp - Nekoosa Mill	50395	HY2	Hydro	Wisconsin	0.8	Dropped - Onsite Unit
Georgia-Pacific Corp - Nekoosa Mill	50395	HY3	Hydro	Wisconsin	0.8	Dropped - Onsite Unit
Georgia-Pacific Corp - Nekoosa Mill	50395	HY4	Hydro	Wisconsin	0.6	Dropped - Onsite Unit
Georgia-Pacific Corp - Nekoosa Mill	50395	HY5	Hydro	Wisconsin	0.7	Dropped - Onsite Unit
Georgia-Pacific Corp - Nekoosa Mill	50395	NHG1	Hydro	Wisconsin	0.2	Dropped - Onsite Unit
Georgia-Pacific Corp - Nekoosa Mill	50395	TG14	Non-Fossil Waste	Wisconsin	12.5	Dropped - Onsite Unit
Georgia-Pacific Corp - Nekoosa Mill	50395	TG6	Coal Steam	Wisconsin	5.7	Dropped - Onsite Unit
Georgia-Pacific Corp - Nekoosa Mill	50395	TG8	Coal Steam	Wisconsin	13	Dropped - Onsite Unit
Des Moines Wastewater Reclamation Fac	50932	1	Non-Fossil Waste	Iowa	0.6	Dropped - Onsite Unit
Des Moines Wastewater Reclamation Fac	50932	2	Non-Fossil Waste	Iowa	0.6	Dropped - Onsite Unit
Des Moines Wastewater Reclamation Fac	50932	3	Non-Fossil Waste	Iowa	0.6	Dropped - Onsite Unit
Beaver Creek Gas Plant	55278	1	Combustion Turbine	Wyoming	1.8	Dropped - Onsite Unit
Beaver Creek Gas Plant	55278	2	Combustion Turbine	Wyoming	1.8	Dropped - Onsite Unit
Ashdown	54104	GEN1	Non-Fossil Waste	Arkansas	17	Dropped - Onsite Unit
Ashdown	54104	GEN2	Non-Fossil Waste	Arkansas	40	Dropped - Onsite Unit
Ashdown	54104	GEN3	Non-Fossil Waste	Arkansas	33	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Ashdown	54104	GEN4	Non-Fossil Waste	Arkansas	38	Dropped - Onsite Unit
Domino Sugar Baltimore	54795	GEN1	O/G Steam	Maryland	5	Dropped - Onsite Unit
Domino Sugar Baltimore	54795	GEN2	O/G Steam	Maryland	2.5	Dropped - Onsite Unit
Domino Sugar Baltimore	54795	GEN4	O/G Steam	Maryland	10	Dropped - Onsite Unit
ABC Coke	56076	1	Fossil Waste	Alabama	3.8	Dropped - Onsite Unit
Dow Chemical Texas Operation	52120	G-35	Combined Cycle	Texas	95.6	Dropped - Onsite Unit
Dow Chemical Texas Operation	52120	G-36	Combined Cycle	Texas	99	Dropped - Onsite Unit
Dow Chemical Texas Operation	52120	G-37	Combined Cycle	Texas	59.2	Dropped - Onsite Unit
Dow Chemical Texas Operation	52120	G-61	Combined Cycle	Texas	68.3	Dropped - Onsite Unit
Dow Chemical Texas Operation	52120	G-62	Combined Cycle	Texas	68.3	Dropped - Onsite Unit
Dow Chemical Texas Operation	52120	G-63	Combined Cycle	Texas	68.3	Dropped - Onsite Unit
Dow Chemical Texas Operation	52120	G-64	Combined Cycle	Texas	50	Dropped - Onsite Unit
Dow Chemical Texas Operation	52120	G-65	Combined Cycle	Texas	95.2	Dropped - Onsite Unit
Dow Chemical Texas Operation	52120	G-66	Combined Cycle	Texas	95.6	Dropped - Onsite Unit
Dow Chemical Texas Operation	52120	G-67	Combined Cycle	Texas	95.6	Dropped - Onsite Unit
Lao Energy Systems	52006	GEN1	Combined Cycle	Louisiana	57	Dropped - Onsite Unit
Lao Energy Systems	52006	GEN2	Combined Cycle	Louisiana	80	Dropped - Onsite Unit
Lao Energy Systems	52006	GEN3	Combined Cycle	Louisiana	94	Dropped - Onsite Unit
Lao Energy Systems	52006	GEN4	Combined Cycle	Louisiana	49	Dropped - Onsite Unit
Lao Energy Systems	52006	GEN5	Combined Cycle	Louisiana	52	Dropped - Onsite Unit
Lao Energy Systems	52006	GEN6	Combined Cycle	Louisiana	52	Dropped - Onsite Unit
Lao Energy Systems	52006	GEN7	Combined Cycle	Louisiana	95	Dropped - Onsite Unit
Lao Energy Systems	52006	GEN8	Combined Cycle	Louisiana	95	Dropped - Onsite Unit
Buck	2720	3	Coal Steam	North Carolina	75	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buck	2720	4	Coal Steam	North Carolina	38	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buck	2720	5	Coal Steam	North Carolina	128	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buck	2720	6	Coal Steam	North Carolina	128	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buck	2720	7	Combustion Turbine	North Carolina	25	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buck	2720	8	Combustion Turbine	North Carolina	25	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buck	2720	9	Combustion Turbine	North Carolina	12	Dropped - PLANNED_RETIREMENT_YEAR <=2015

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Cliffside	2721	1	Coal Steam	North Carolina	38	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cliffside	2721	2	Coal Steam	North Carolina	38	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cliffside	2721	3	Coal Steam	North Carolina	61	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cliffside	2721	4	Coal Steam	North Carolina	61	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Dan River	2723	1	Coal Steam	North Carolina	67	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Dan River	2723	2	Coal Steam	North Carolina	67	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Dan River	2723	3	Coal Steam	North Carolina	142	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Dan River	2723	4	Combustion Turbine	North Carolina	24	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Dan River	2723	5	Combustion Turbine	North Carolina	24	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Dan River	2723	6	Combustion Turbine	North Carolina	24	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Riverbend	2732	10	Combustion Turbine	North Carolina	22	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Riverbend	2732	11	Combustion Turbine	North Carolina	20	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Riverbend	2732	4	Coal Steam	North Carolina	94	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Riverbend	2732	5	Coal Steam	North Carolina	94	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Riverbend	2732	6	Coal Steam	North Carolina	133	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Riverbend	2732	7	Coal Steam	North Carolina	133	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Riverbend	2732	8	Combustion Turbine	North Carolina	20	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Riverbend	2732	9	Combustion Turbine	North Carolina	22	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Roost	3254	10	Combustion Turbine	South Carolina	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Roost	3254	11	Combustion Turbine	South Carolina	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Roost	3254	12	Combustion Turbine	South Carolina	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Roost	3254	13	Combustion Turbine	South Carolina	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Roost	3254	14	Combustion Turbine	South Carolina	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Roost	3254	15	Combustion Turbine	South Carolina	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Roost	3254	6	Combustion Turbine	South Carolina	20	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Roost	3254	7	Combustion Turbine	South Carolina	20	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Roost	3254	8	Combustion Turbine	South Carolina	20	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Roost	3254	9	Combustion Turbine	South Carolina	20	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Durgin & Crowell Lumber	54870	3306	Combustion Turbine	New Hampshire	0.2	Dropped - Onsite Unit
Durgin & Crowell Lumber	54870	3512	Combustion Turbine	New Hampshire	1.3	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Woodridge Greene Valley Treatment Plant	54987	FM01	Combustion Turbine	Illinois	1.5	Dropped - Onsite Unit
Stingray Facility	54531	1S72	Combustion Turbine	Louisiana	2.5	Dropped - Onsite Unit
ExxonMobil Oil Joliet Refinery	50627	GTG1	Fossil Waste	Illinois	22	Dropped - Onsite Unit
ExxonMobil Oil Joliet Refinery	50627	MG	Fossil Waste	Illinois	11.2	Dropped - Onsite Unit
ExxonMobil Oil Joliet Refinery	50627	STG1	Fossil Waste	Illinois	6.5	Dropped - Onsite Unit
DSM Pharmaceuticals	54887	GEN1	Combustion Turbine	North Carolina	3.5	Dropped - Onsite Unit
DSM Pharmaceuticals	54887	GEN2	Combustion Turbine	North Carolina	0.3	Dropped - Onsite Unit
DSM Pharmaceuticals	54887	GEN3	Combustion Turbine	North Carolina	1.1	Dropped - Onsite Unit
DSM Pharmaceuticals	54887	GEN4	Combustion Turbine	North Carolina	1.2	Dropped - Onsite Unit
DSM Pharmaceuticals	54887	GEN5	Combustion Turbine	North Carolina	1	Dropped - Onsite Unit
DSM Pharmaceuticals	54887	GEN6	Combustion Turbine	North Carolina	1.2	Dropped - Onsite Unit
Sabine River Works	10789	GEN1	Combined Cycle	Texas	82	Dropped - Onsite Unit
Sabine River Works	10789	GEN3	Combined Cycle	Texas	5	Dropped - Onsite Unit
Sabine River Works	10789	GEN4	Combined Cycle	Texas	5	Dropped - Onsite Unit
Old Hickory Plant	10797	IG	O/G Steam	Tennessee	1	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG10	Coal Steam	Tennessee	6	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG11	Coal Steam	Tennessee	6	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG12	Coal Steam	Tennessee	6	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG13	Coal Steam	Tennessee	7	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG14	Coal Steam	Tennessee	10	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG15	Coal Steam	Tennessee	7.5	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG16	Coal Steam	Tennessee	10.4	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG17	Coal Steam	Tennessee	10.4	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG18	Coal Steam	Tennessee	10.4	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG19	Coal Steam	Tennessee	10.4	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG20	Coal Steam	Tennessee	10.4	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG21	Coal Steam	Tennessee	15	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG22	Coal Steam	Tennessee	15.4	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG24	Coal Steam	Tennessee	16.8	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TG25	Coal Steam	Tennessee	18	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Tennessee Eastman Operations	50481	TG26	Coal Steam	Tennessee	16.6	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TGO7	Coal Steam	Tennessee	6	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TGO8	Coal Steam	Tennessee	6	Dropped - Onsite Unit
Tennessee Eastman Operations	50481	TGO9	Coal Steam	Tennessee	6	Dropped - Onsite Unit
Eastman Gelatine	50955	GEN1	O/G Steam	Massachusetts	1.3	Dropped - Onsite Unit
Eastman Gelatine	50955	GEN2	O/G Steam	Massachusetts	1.5	Dropped - Onsite Unit
Eastman Gelatine	50955	GEN3	O/G Steam	Massachusetts	3.3	Dropped - Onsite Unit
Kodak Park Site	10025	17TG	Coal Steam	New York	15	Dropped - Onsite Unit
Kodak Park Site	10025	22TG	Coal Steam	New York	12.5	Dropped - Onsite Unit
Kodak Park Site	10025	41TG	Coal Steam	New York	25.6	Dropped - Onsite Unit
Kodak Park Site	10025	42TG	Coal Steam	New York	25.6	Dropped - Onsite Unit
Kodak Park Site	10025	43TG	Coal Steam	New York	25.6	Dropped - Onsite Unit
Kodak Park Site	10025	44TG	Coal Steam	New York	25.6	Dropped - Onsite Unit
Kodak Park Site	10025	KPR1	Hydro	New York	0.4	Dropped - Onsite Unit
Rio Grande	2444	6	O/G Steam	New Mexico	45	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Newman	3456	2	O/G Steam	Texas	76	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Encina Water Pollution Control	10026	EG10	Non-Fossil Waste	California	0.8	Dropped - Onsite Unit
Encina Water Pollution Control	10026	EG20	Non-Fossil Waste	California	0.8	Dropped - Onsite Unit
Encina Water Pollution Control	10026	EG30	Non-Fossil Waste	California	0.8	Dropped - Onsite Unit
Encina Water Pollution Control	10026	EG40	Non-Fossil Waste	California	0.8	Dropped - Onsite Unit
Hawi Wind Farm	56447	V-47	Wind	Hawaii	10.6	Dropped - in Alaska or in Hawaii
Erie Coke	50920	1	Fossil Waste	Pennsylvania	1	Dropped - Onsite Unit
Erving Paper Mills	54228	1	O/G Steam	Massachusetts	0.3	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cromby Generating Station	3159	1	Coal Steam	Pennsylvania	144	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cromby Generating Station	3159	2	O/G Steam	Pennsylvania	201	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cromby Generating Station	3159	ICI	Combustion Turbine	Pennsylvania	2.7	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Eddystone Generating Station	3161	1	Coal Steam	Pennsylvania	279	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Eddystone Generating Station	3161	2	Coal Steam	Pennsylvania	309	Dropped - PLANNED_RETIREMENT_YEAR <=2015
ExxonMobil Baton Rouge Turbine Generator	10690	CTG1	Combustion Turbine	Louisiana	76.7	Dropped - Onsite Unit
ExxonMobil Baytown Refinery	10436	GT38	Combustion Turbine	Texas	31	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
ExxonMobil Baytown Refinery	10436	GT41	Combustion Turbine	Texas	17	Dropped - Onsite Unit
ExxonMobil Baytown Refinery	10436	GT42	Combustion Turbine	Texas	17	Dropped - Onsite Unit
ExxonMobil Baytown Refinery	10436	GT43	Combustion Turbine	Texas	17	Dropped - Onsite Unit
ExxonMobil Baytown Refinery	10436	GT44	Combustion Turbine	Texas	17	Dropped - Onsite Unit
ExxonMobil Baytown Refinery	10436	GT45	Combustion Turbine	Texas	31	Dropped - Onsite Unit
ExxonMobil Baytown Refinery	10436	ST34	Non-Fossil Waste	Texas	7	Dropped - Onsite Unit
ExxonMobil Baytown Turbine	10692	GEN1	Combustion Turbine	Texas	31.7	Dropped - Onsite Unit
ExxonMobil Baytown Turbine	10692	GEN2	Combustion Turbine	Texas	31.7	Dropped - Onsite Unit
ExxonMobil Baytown Turbine	10692	GEN3	Combustion Turbine	Texas	31.7	Dropped - Onsite Unit
ExxonMobil Baytown Turbine	10692	GEN4	Combustion Turbine	Texas	85	Dropped - Onsite Unit
ExxonMobil Baytown Turbine	10692	GEN5	Combustion Turbine	Texas	140.3	Dropped - Onsite Unit
Corpus Refinery	50026	FCCE	Non-Fossil Waste	Texas	9.7	Dropped - Onsite Unit
Corpus Refinery	50026	FR6	Combustion Turbine	Texas	32	Dropped - Onsite Unit
ExxonMobil Santa Ynez Facility	50270	GTG1	Combined Cycle	California	40.2	Dropped - Onsite Unit
ExxonMobil Santa Ynez Facility	50270	STG1	Combined Cycle	California	8.9	Dropped - Onsite Unit
Shute Creek Facility	56312	021A	Fossil Waste	Wyoming	30.6	Dropped - Onsite Unit
Shute Creek Facility	56312	021B	Fossil Waste	Wyoming	30.6	Dropped - Onsite Unit
Shute Creek Facility	56312	021C	Fossil Waste	Wyoming	30.6	Dropped - Onsite Unit
Ford Motor Co Rawsonville Plant	10235	GEN1	Combustion Turbine	Michigan	4.5	Dropped - Onsite Unit
Formosa Utility Venture Ltd	10554	BO3	Combined Cycle	Texas	32	Dropped - Onsite Unit
Formosa Utility Venture Ltd	10554	ST1	Combined Cycle	Texas	28.5	Dropped - Onsite Unit
Formosa Utility Venture Ltd	10554	ST2	Combined Cycle	Texas	57.5	Dropped - Onsite Unit
Formosa Utility Venture Ltd	10554	ST3	Combined Cycle	Texas	47.3	Dropped - Onsite Unit
Formosa Utility Venture Ltd	10554	TBG1	Combined Cycle	Texas	72	Dropped - Onsite Unit
Formosa Utility Venture Ltd	10554	TBG2	Combined Cycle	Texas	72	Dropped - Onsite Unit
Formosa Utility Venture Ltd	10554	TBG3	Combined Cycle	Texas	72	Dropped - Onsite Unit
Formosa Utility Venture Ltd	10554	TBG4	Combined Cycle	Texas	72	Dropped - Onsite Unit
Formosa Utility Venture Ltd	10554	TBG5	Combined Cycle	Texas	72	Dropped - Onsite Unit
Formosa Utility Venture Ltd	10554	TBG6	Combined Cycle	Texas	72	Dropped - Onsite Unit
Muskogee Mill	10362	GEN1	Coal Steam	Oklahoma	17	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Muskogee Mill	10362	GEN2	Coal Steam	Oklahoma	18.3	Dropped - Onsite Unit
Muskogee Mill	10362	GEN3	Coal Steam	Oklahoma	34.2	Dropped - Onsite Unit
Hampton Facility	10108	GEN1	Combustion Turbine	New Hampshire	0.5	Dropped - Onsite Unit
Hampton Facility	10108	GEN2	Combustion Turbine	New Hampshire	0.5	Dropped - Onsite Unit
Hampton Facility	10108	GEN3	Combustion Turbine	New Hampshire	0.7	Dropped - Onsite Unit
Hampton Facility	10108	GEN4	Combustion Turbine	New Hampshire	0.7	Dropped - Onsite Unit
Hampton Facility	10108	GEN5	Combustion Turbine	New Hampshire	0.7	Dropped - Onsite Unit
Hampton Facility	10108	GEN6	Combustion Turbine	New Hampshire	0.7	Dropped - Onsite Unit
Hampton Facility	10108	GEN8	Combustion Turbine	New Hampshire	3.8	Dropped - Onsite Unit
Ergon Refining Vicksburg	54918	TMO1	Combustion Turbine	Mississippi	4.4	Dropped - Onsite Unit
Fox Metro Water Reclamation District	50904	RU3	Combustion Turbine	Illinois	1.1	Dropped - Onsite Unit
Fox Metro Water Reclamation District	50904	RU4	Combustion Turbine	Illinois	1.1	Dropped - Onsite Unit
French Paper Hydro	10656	1	Hydro	Michigan	0.3	Dropped - Onsite Unit
French Paper Hydro	10656	2	Hydro	Michigan	0.4	Dropped - Onsite Unit
French Paper Hydro	10656	3	Hydro	Michigan	0.3	Dropped - Onsite Unit
French Paper Hydro	10656	4	Hydro	Michigan	0.2	Dropped - Onsite Unit
Village Creek Wastewater Treatment Plant	54520	SD2	Combustion Turbine	Texas	0.9	Dropped - Onsite Unit
Village Creek Wastewater Treatment Plant	54520	SDI	Combustion Turbine	Texas	0.9	Dropped - Onsite Unit
Village Creek Wastewater Treatment Plant	54520	TG1	Non-Fossil Waste	Texas	4.2	Dropped - Onsite Unit
Village Creek Wastewater Treatment Plant	54520	TG2	Non-Fossil Waste	Texas	4.2	Dropped - Onsite Unit
Evanston Township High School	54788	GEN1	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Evanston Township High School	54788	GEN2	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Evanston Township High School	54788	GEN3	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Georgia Pacific Center	54906	1	Combustion Turbine	Georgia	0.7	Dropped - Onsite Unit
Georgia Pacific Center	54906	2	Combustion Turbine	Georgia	0.7	Dropped - Onsite Unit
Galena Electric Utility	7437	1A	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Galena Electric Utility	7437	2	Combustion Turbine	Alaska	0.7	Dropped - in Alaska or in Hawaii
Galena Electric Utility	7437	3A	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Galena Electric Utility	7437	4A	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Galena Electric Utility	7437	5A	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
C E Newman	3574	5	O/G Steam	Texas	37	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Gallup Refinery	50997	GEN1	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Gallup Refinery	50997	GEN2	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Gay Robinson	50333	DSL5	Combustion Turbine	Hawaii	0.5	Dropped - in Alaska or in Hawaii
Gay Robinson	50333	DSL6	Combustion Turbine	Hawaii	0.5	Dropped - in Alaska or in Hawaii
Gay Robinson	50333	HYD2	Hydro	Hawaii	0.8	Dropped - in Alaska or in Hawaii
Gay Robinson	50333	ST4	Biomass	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Gaylord Container Bogalusa	54427	NO10	Biomass	Louisiana	34.4	Dropped - Onsite Unit
Gaylord Container Bogalusa	54427	NO8	Biomass	Louisiana	23.3	Dropped - Onsite Unit
Gaylord Container Bogalusa	54427	NO9	Biomass	Louisiana	34.9	Dropped - Onsite Unit
General Electric Aircraft Engines	10029	GEN5	O/G Steam	Massachusetts	10	Dropped - Onsite Unit
General Electric Aircraft Engines	10029	GEN6	O/G Steam	Massachusetts	10	Dropped - Onsite Unit
General Electric Aircraft Engines	10029	GEN7	O/G Steam	Massachusetts	12.5	Dropped - Onsite Unit
General Electric Aircraft Engines	10029	GEN8	Combustion Turbine	Massachusetts	21.1	Dropped - Onsite Unit
General Mills West Chicago	54924	1	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
General Mills West Chicago	54924	2	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
General Mills West Chicago	54924	3	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
General Mills West Chicago	54924	4	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
General Mills West Chicago	54924	5	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
General Mills West Chicago	54924	6	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
General Mills West Chicago	54924	7	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
General Mills West Chicago	54924	8	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
General Chemical	54318	TG1	Coal Steam	Wyoming	15	Dropped - Onsite Unit
General Chemical	54318	TG2	Coal Steam	Wyoming	15	Dropped - Onsite Unit
General Electric Diesel Engine Plant	10058	REGN	Combustion Turbine	Pennsylvania	4.3	Dropped - Onsite Unit
General Mills Inc	54564	GEN1	Combustion Turbine	New York	3.4	Dropped - Onsite Unit
Savannah River Mill	10361	GEN1	Combustion Turbine	Georgia	21.4	Dropped - Onsite Unit
Savannah River Mill	10361	GEN2	Combustion Turbine	Georgia	21.4	Dropped - Onsite Unit
Savannah River Mill	10361	GEN3	Coal Steam	Georgia	41.9	Dropped - Onsite Unit
Savannah River Mill	10361	GEN4	Coal Steam	Georgia	41.9	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Georgia Pacific Naheola Mill	10699	GEN1	Non-Fossil Waste	Alabama	14.5	Dropped - Onsite Unit
Georgia Pacific Naheola Mill	10699	GEN2	Non-Fossil Waste	Alabama	14.5	Dropped - Onsite Unit
Georgia Pacific Naheola Mill	10699	GT3	Non-Fossil Waste	Alabama	43.8	Dropped - Onsite Unit
Tate & Lyle Decatur Plant Cogen	10867	GEN1	Coal Steam	Illinois	58.1	Dropped - Onsite Unit
Sagamore Plant Cogeneration	50903	GEN1	Coal Steam	Indiana	7.4	Dropped - Onsite Unit
Harllee Branch	709	1	Coal Steam	Georgia	266	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Harllee Branch	709	2	Coal Steam	Georgia	325	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Jack McDonough	710	1	Coal Steam	Georgia	251	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Jack McDonough	710	2	Coal Steam	Georgia	251	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Mitchell	727	4C	Combustion Turbine	Georgia	31	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Georgia Pacific Monticello Paper	10610	GEN1	Non-Fossil Waste	Mississippi	36	Dropped - Onsite Unit
Georgia Pacific Monticello Paper	10610	GEN2	Non-Fossil Waste	Mississippi	32	Dropped - Onsite Unit
Georgia Pacific Big Island	50479	BHG1	Hydro	Virginia	0.2	Dropped - Onsite Unit
Georgia Pacific Big Island	50479	BHG2	Hydro	Virginia	0.2	Dropped - Onsite Unit
Georgia Pacific Big Island	50479	GEN1	Biomass	Virginia	6.5	Dropped - Onsite Unit
CITGO Refinery Powerhouse	52175	GEN1	Fossil Waste	Louisiana	7.4	Dropped - Onsite Unit
CITGO Refinery Powerhouse	52175	GEN2	Fossil Waste	Louisiana	9.4	Dropped - Onsite Unit
CITGO Refinery Powerhouse	52175	GEN3	Fossil Waste	Louisiana	17.5	Dropped - Onsite Unit
Georgia Pacific Cedar Springs	54101	GEN1	Non-Fossil Waste	Georgia	45	Dropped - Onsite Unit
Georgia Pacific Cedar Springs	54101	GEN2	Non-Fossil Waste	Georgia	45	Dropped - Onsite Unit
General Mills Operations Lodi	10031	1	Combustion Turbine	California	3.2	Dropped - Onsite Unit
Romulus Operations Powertrain	10159	GEN1	Combustion Turbine	Michigan	6	Dropped - Onsite Unit
Gillette SBMC	54225	DG	Combustion Turbine	Massachusetts	0.5	Dropped - Onsite Unit
Gillette SBMC	54225	DG2	Combustion Turbine	Massachusetts	0.5	Dropped - Onsite Unit
Gillette SBMC	54225	DG3	Combustion Turbine	Massachusetts	1	Dropped - Onsite Unit
Gillette SBMC	54225	TG1	O/G Steam	Massachusetts	6.3	Dropped - Onsite Unit
Gillette SBMC	54225	TG2	O/G Steam	Massachusetts	5	Dropped - Onsite Unit
Powertrain Warren General Motors	10032	GT1	Combustion Turbine	Michigan	2.7	Dropped - Onsite Unit
North Pole	6285	1	Combustion Turbine	Alaska	48	Dropped - in Alaska or in Hawaii
North Pole	6285	2	Combustion Turbine	Alaska	48	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
North Pole	6285	GT3	Combined Cycle	Alaska	41	Dropped - in Alaska or in Hawaii
North Pole	6285	STG1	Combined Cycle	Alaska	7	Dropped - in Alaska or in Hawaii
Fairbanks	6286	5	Combustion Turbine	Alaska	2.8	Dropped - in Alaska or in Hawaii
Fairbanks	6286	6	Combustion Turbine	Alaska	2.8	Dropped - in Alaska or in Hawaii
Fairbanks	6286	GT1	Combustion Turbine	Alaska	16	Dropped - in Alaska or in Hawaii
Fairbanks	6286	GT2	Combustion Turbine	Alaska	16.3	Dropped - in Alaska or in Hawaii
Healy	6288	1	Coal Steam	Alaska	25	Dropped - in Alaska or in Hawaii
Healy	6288	IC1	Combustion Turbine	Alaska	2.8	Dropped - in Alaska or in Hawaii
Delta Power	56325	6	Combustion Turbine	Alaska	23.1	Dropped - in Alaska or in Hawaii
Battery Energy Storage System	57583	BESS	Non-Fossil Waste	Alaska	27	Dropped - in Alaska or in Hawaii
Gowrie	1141	1	Combustion Turbine	Iowa	1.1	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Gowrie	1141	2	Combustion Turbine	Iowa	1.1	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Graphic Packaging	10698	GEN1	O/G Steam	Michigan	5	Dropped - Onsite Unit
Graphic Packaging	10698	GEN2	O/G Steam	Michigan	1.5	Dropped - Onsite Unit
Grossmont Hospital	10115	GEN1	Combustion Turbine	California	0.8	Dropped - Onsite Unit
Grossmont Hospital	10115	GEN2	Combustion Turbine	California	0.8	Dropped - Onsite Unit
Gwitchyaa Zhee	7174	1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Gwitchyaa Zhee	7174	3	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Gwitchyaa Zhee	7174	6	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Cheboygan	50461	GEN1	Hydro	Michigan	0.7	Dropped - Onsite Unit
Hamakua Energy Plant	55369	CT1	Fossil Waste	Hawaii	21.7	Dropped - in Alaska or in Hawaii
Hamakua Energy Plant	55369	CT2	Fossil Waste	Hawaii	21.7	Dropped - in Alaska or in Hawaii
Hamakua Energy Plant	55369	ST1	Fossil Waste	Hawaii	17.4	Dropped - in Alaska or in Hawaii
International Paper Prattville Mill	52140	GEN1	Non-Fossil Waste	Alabama	31.1	Dropped - Onsite Unit
International Paper Prattville Mill	52140	GEN2	Non-Fossil Waste	Alabama	44.9	Dropped - Onsite Unit
Hawaiian Comm & Sugar Puunene Mill	10604	PUU3	Biomass	Hawaii	10	Dropped - in Alaska or in Hawaii
Hawaiian Comm & Sugar Puunene Mill	10604	PUU4	Biomass	Hawaii	20	Dropped - in Alaska or in Hawaii
Hawaiian Comm & Sugar Puunene Mill	10604	PUU5	Biomass	Hawaii	16.1	Dropped - in Alaska or in Hawaii
Kaheka Hydro	55864	KAH1	Hydro	Hawaii	1.5	Dropped - in Alaska or in Hawaii
Kaheka Hydro	55864	KAH2	Hydro	Hawaii	1.5	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Kaheka Hydro	55864	KAH3	Hydro	Hawaii	1.5	Dropped - in Alaska or in Hawaii
Waimea	768	12	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Waimea	768	13	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Waimea	768	14	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Kanoelehua	769	11	Combustion Turbine	Hawaii	2	Dropped - in Alaska or in Hawaii
Kanoelehua	769	15	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Kanoelehua	769	16	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Kanoelehua	769	17	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Kanoelehua	769	CT1	Combustion Turbine	Hawaii	10.5	Dropped - in Alaska or in Hawaii
Puueo	771	1	Hydro	Hawaii	0.7	Dropped - in Alaska or in Hawaii
Puueo	771	2A	Hydro	Hawaii	2.4	Dropped - in Alaska or in Hawaii
W H Hill	772	5	O/G Steam	Hawaii	14.1	Dropped - in Alaska or in Hawaii
W H Hill	772	6	O/G Steam	Hawaii	21.4	Dropped - in Alaska or in Hawaii
Waiau	774	1	Hydro	Hawaii	0.7	Dropped - in Alaska or in Hawaii
Waiau	774	2	Hydro	Hawaii	0.3	Dropped - in Alaska or in Hawaii
Shipman	6478	3	O/G Steam	Hawaii	7.5	Dropped - in Alaska or in Hawaii
Shipman	6478	4	O/G Steam	Hawaii	7.5	Dropped - in Alaska or in Hawaii
Puna	7130	1	O/G Steam	Hawaii	14	Dropped - in Alaska or in Hawaii
Puna	7130	3	Combustion Turbine	Hawaii	20	Dropped - in Alaska or in Hawaii
Keahole	8083	2	Combustion Turbine	Hawaii	15.9	Dropped - in Alaska or in Hawaii
Keahole	8083	21	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Keahole	8083	22	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Keahole	8083	23	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Keahole	8083	7	Combined Cycle	Hawaii	16	Dropped - in Alaska or in Hawaii
Keahole	8083	CT4	Combined Cycle	Hawaii	19.8	Dropped - in Alaska or in Hawaii
Keahole	8083	CT5	Combined Cycle	Hawaii	19.8	Dropped - in Alaska or in Hawaii
Hendricks Regional Health	54731	GE06	Combustion Turbine	Indiana	1	Dropped - Onsite Unit
Hendricks Regional Health	54731	GEO1	Combustion Turbine	Indiana	0.5	Dropped - Onsite Unit
Hendricks Regional Health	54731	GEO2	Combustion Turbine	Indiana	0.5	Dropped - Onsite Unit
Hendricks Regional Health	54731	GEO3	Combustion Turbine	Indiana	0.3	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Hendricks Regional Health	54731	GEO4	Combustion Turbine	Indiana	1	Dropped - Onsite Unit
Hendricks Regional Health	54731	GEO5	Combustion Turbine	Indiana	1	Dropped - Onsite Unit
Hercules Brunswick Plant	10120	GEN5	Biomass	Georgia	7.1	Dropped - Onsite Unit
Hercules Brunswick Plant	10120	GEN6	Biomass	Georgia	2	Dropped - Onsite Unit
CSL Behring LLC	54790	GEN1	Combustion Turbine	Illinois	3.8	Dropped - Onsite Unit
Hofstra University	51035	GEN1	Combustion Turbine	New York	1.1	Dropped - Onsite Unit
Hofstra University	51035	GEN2	Combustion Turbine	New York	1.1	Dropped - Onsite Unit
Aventis Pharmaceuticals	10122	2	Combustion Turbine	New Jersey	4	Dropped - Onsite Unit
Hoge Lumber	10739	AC3M	Biomass	Ohio	1.2	Dropped - Onsite Unit
Hoge Lumber	10739	W750	Biomass	Ohio	0.3	Dropped - Onsite Unit
Hoffmann LaRoche	10123	TG01	Combustion Turbine	New Jersey	4.1	Dropped - Onsite Unit
Hoffmann LaRoche	10123	TG03	Combustion Turbine	New Jersey	4.1	Dropped - Onsite Unit
Hoffer Plastics	54523	GEN1	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Hoffer Plastics	54523	GEN2	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Hoffer Plastics	54523	GEN3	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Hoffer Plastics	54523	GEN4	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Hoffer Plastics	54523	GEN5	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Hoffer Plastics	54523	GEN6	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Hoffer Plastics	54523	GEN7	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Hoffer Plastics	54523	GEN8	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Hoffer Plastics	54523	GEN9	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Center Falls	10853	1	Hydro	New York	0.3	Dropped - Onsite Unit
Center Falls	10853	2	Hydro	New York	0.3	Dropped - Onsite Unit
Center Falls	10853	3	Hydro	New York	0.2	Dropped - Onsite Unit
Honeywell Farms	10125	1	Combustion Turbine	New York	0.8	Dropped - Onsite Unit
Honeywell Farms	10125	2	Combustion Turbine	New York	0.8	Dropped - Onsite Unit
Honeywell Farms	10125	3	Combustion Turbine	New York	0.8	Dropped - Onsite Unit
Honeywell Farms	10125	4	Combustion Turbine	New York	0.8	Dropped - Onsite Unit
Honeywell Farms	10125	5	Combustion Turbine	New York	0.8	Dropped - Onsite Unit
Honeywell Farms	10125	6	Combustion Turbine	New York	0.4	Dropped - Onsite Unit

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Riverside	1607	4	Hydro	Massachusetts	0.8	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Riverside	1607	5	Hydro	Massachusetts	0.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cabot Holyoke	9864	6	O/G Steam	Massachusetts	9.3	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cabot Holyoke	9864	8	O/G Steam	Massachusetts	9.3	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Harris Energy Realty	54981	ALBA	Hydro	Massachusetts	0.3	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Harris Energy Realty	54981	ALBD	Hydro	Massachusetts	0.4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Harris Energy Realty	54981	C-AB	Hydro	Massachusetts	0.3	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Harris Energy Realty	54981	C-C	Hydro	Massachusetts	0.2	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Harris Energy Realty	54981	GILA	Hydro	Massachusetts	0.5	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Harris Energy Realty	54981	GILD	Hydro	Massachusetts	0.3	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Harris Energy Realty	54981	NONO	Hydro	Massachusetts	0.5	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Harris Energy Realty	54981	TOM	Hydro	Massachusetts	0.4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Hopkinton	8108	IC2	Combustion Turbine	Iowa	1.7	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Hopkinton	8108	IC3	Combustion Turbine	Iowa	1.2	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Hugoton 1	1289	6	Combustion Turbine	Kansas	1.2	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Hutzel Hospital	10232	TB-1	Combustion Turbine	Michigan	0.7	Dropped - Onsite Unit
Hutzel Hospital	10232	TB-2	Combustion Turbine	Michigan	0.7	Dropped - Onsite Unit
Hutchinson Plant #1	1980	5	Combustion Turbine	Minnesota	1.7	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Hutchinson Plant #1	1980	6	Combustion Turbine	Minnesota	1.7	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Hutchinson Plant #1	1980	7	Combustion Turbine	Minnesota	4.5	Dropped - PLANNED_RETIREMENT_YEAR <=2015
New Halen	7183	1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
New Halen	7183	2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
New Halen	7183	3	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
New Halen	7183	4	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
International Paper Riegelwood Mill	54656	NO 1	Non-Fossil Waste	North Carolina	7.8	Dropped - Onsite Unit
International Paper Riegelwood Mill	54656	NO 2	Non-Fossil Waste	North Carolina	8.3	Dropped - Onsite Unit
International Paper Riegelwood Mill	54656	NO3	Non-Fossil Waste	North Carolina	44.5	Dropped - Onsite Unit
Ingersoll Milling Machine	50989	71	Combustion Turbine	Illinois	0.6	Dropped - Onsite Unit
Ingersoll Milling Machine	50989	72	Combustion Turbine	Illinois	0.6	Dropped - Onsite Unit
Ingersoll Milling Machine	50989	73	Combustion Turbine	Illinois	0.6	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Ingersoll Milling Machine	50989	74	Combustion Turbine	Illinois	0.6	Dropped - Onsite Unit
Ingersoll Milling Machine	50989	75	Combustion Turbine	Illinois	0.6	Dropped - Onsite Unit
Ingersoll Milling Machine	50989	76	Combustion Turbine	Illinois	0.7	Dropped - Onsite Unit
Ingersoll Milling Machine	50989	77	Combustion Turbine	Illinois	0.7	Dropped - Onsite Unit
Mansfield Mill	54091	GEN1	Non-Fossil Waste	Louisiana	24.6	Dropped - Onsite Unit
Mansfield Mill	54091	GEN2	Non-Fossil Waste	Louisiana	25.6	Dropped - Onsite Unit
Mansfield Mill	54091	GEN3	Non-Fossil Waste	Louisiana	22.1	Dropped - Onsite Unit
Mansfield Mill	54091	GEN4	Combustion Turbine	Louisiana	14.8	Dropped - Onsite Unit
Indian River Generating Station	594	3	Coal Steam	Delaware	170	Dropped - PLANNED_RETIREMENT_YEAR <=2015
International Paper Franklin Mill	52152	GE10	Combustion Turbine	Virginia	38	Dropped - Onsite Unit
International Paper Franklin Mill	52152	GEN1	Non-Fossil Waste	Virginia	5	Dropped - Onsite Unit
International Paper Franklin Mill	52152	GEN2	Non-Fossil Waste	Virginia	3.7	Dropped - Onsite Unit
International Paper Franklin Mill	52152	GEN3	Non-Fossil Waste	Virginia	2.5	Dropped - Onsite Unit
International Paper Franklin Mill	52152	GEN6	Non-Fossil Waste	Virginia	9.3	Dropped - Onsite Unit
International Paper Franklin Mill	52152	GEN7	Non-Fossil Waste	Virginia	15.6	Dropped - Onsite Unit
International Paper Franklin Mill	52152	GEN8	Non-Fossil Waste	Virginia	27.5	Dropped - Onsite Unit
International Paper Franklin Mill	52152	GEN9	Non-Fossil Waste	Virginia	36.1	Dropped - Onsite Unit
Ticonderoga Mill	54099	GEN1	O/G Steam	New York	41	Dropped - Onsite Unit
International Paper Augusta Mill	54358	1	Non-Fossil Waste	Georgia	25.3	Dropped - Onsite Unit
International Paper Augusta Mill	54358	2	Non-Fossil Waste	Georgia	36.5	Dropped - Onsite Unit
International Paper Augusta Mill	54358	3	Non-Fossil Waste	Georgia	17.5	Dropped - Onsite Unit
International Paper Vicksburg Mill	54100	GEN1	Non-Fossil Waste	Mississippi	1.5	Dropped - Onsite Unit
International Paper Vicksburg Mill	54100	GEN2	Non-Fossil Waste	Mississippi	37	Dropped - Onsite Unit
International Paper Courtland Mill	50245	ABB	Non-Fossil Waste	Alabama	62	Dropped - Onsite Unit
International Paper Courtland Mill	50245	GE	Non-Fossil Waste	Alabama	27	Dropped - Onsite Unit
International Paper Courtland Mill	50245	GT	Combustion Turbine	Alabama	30	Dropped - Onsite Unit
International Paper Texarkana Mill	54097	GEN1	Non-Fossil Waste	Texas	25	Dropped - Onsite Unit
International Paper Texarkana Mill	54097	GEN2	Non-Fossil Waste	Texas	40	Dropped - Onsite Unit
International Paper Georgetown Mill	54087	GEN1	Non-Fossil Waste	South Carolina	23.8	Dropped - Onsite Unit
International Paper Georgetown Mill	54087	GEN2	Biomass	South Carolina	27.4	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
International Paper Georgetown Mill	54087	GEN3	Biomass	South Carolina	37.7	Dropped - Onsite Unit
International Paper Riverdale Mill	54096	GEN1	O/G Steam	Alabama	7	Dropped - Onsite Unit
International Paper Riverdale Mill	54096	GEN2	O/G Steam	Alabama	31	Dropped - Onsite Unit
International Paper Riverdale Mill	54096	GEN3	Combined Cycle	Alabama	5	Dropped - Onsite Unit
International Paper Riverdale Mill	54096	GEN4	Combined Cycle	Alabama	32	Dropped - Onsite Unit
Interstate Paper LLC Riceboro	54281	577A	Non-Fossil Waste	Georgia	13	Dropped - Onsite Unit
International Paper Pensacola	50250	GEN1	Non-Fossil Waste	Florida	36	Dropped - Onsite Unit
International Paper Pensacola	50250	GEN2	Non-Fossil Waste	Florida	40	Dropped - Onsite Unit
Iowa Methodist Medical Center	10655	1	Combustion Turbine	Iowa	1.5	Dropped - Onsite Unit
Iowa Methodist Medical Center	10655	2	Combustion Turbine	Iowa	1.5	Dropped - Onsite Unit
Iowa Methodist Medical Center	10655	3	Combustion Turbine	Iowa	0.5	Dropped - Onsite Unit
Dubuque	1046	3	Coal Steam	Iowa	31.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Dubuque	1046	4	Coal Steam	Iowa	36.3	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Fox Lake	1888	1	O/G Steam	Minnesota	12.7	Dropped - PLANNED_RETIREMENT_YEAR <=2015
International Paper Eastover Facility	52151	GEN1	Non-Fossil Waste	South Carolina	46	Dropped - Onsite Unit
International Paper Eastover Facility	52151	GEN2	Non-Fossil Waste	South Carolina	57	Dropped - Onsite Unit
Iowa State University	54201	GEN3	Coal Steam	Iowa	13.3	Dropped - Onsite Unit
Iowa State University	54201	GEN4	Coal Steam	Iowa	6.3	Dropped - Onsite Unit
Iowa State University	54201	GEN5	Coal Steam	Iowa	11.5	Dropped - Onsite Unit
Iowa State University	54201	GEN6	Coal Steam	Iowa	15.1	Dropped - Onsite Unit
Arcelormittal Cleveland Inc	10398	GEN3	Fossil Waste	Ohio	10	Dropped - Onsite Unit
Arcelormittal Cleveland Inc	10398	GEN5	Fossil Waste	Ohio	10	Dropped - Onsite Unit
Arcelormittal Cleveland Inc	10398	GENA	Fossil Waste	Ohio	15	Dropped - Onsite Unit
Arcelormittal Cleveland Inc	10398	GENB	Fossil Waste	Ohio	10	Dropped - Onsite Unit
Arcelormittal Cleveland Inc	10398	GENC	Fossil Waste	Ohio	23	Dropped - Onsite Unit
IVEX Packaging	52032	1	Combustion Turbine	Illinois	3.5	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Jefferson Smurfit Fernandina Beach	10202	GEN5	Biomass	Florida	30	Dropped - Onsite Unit
Jefferson Smurfit Fernandina Beach	10202	GEN6	Coal Steam	Florida	50	Dropped - Onsite Unit
John Deere Dubuque Works	54414	GE10	Combustion Turbine	Iowa	1.4	Dropped - Onsite Unit
John Deere Dubuque Works	54414	GEN5	Combustion Turbine	Iowa	1.4	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
John Deere Dubuque Works	54414	GEN6	Combustion Turbine	Iowa	1.4	Dropped - Onsite Unit
John Deere Dubuque Works	54414	GEN7	Combustion Turbine	Iowa	1.4	Dropped - Onsite Unit
John Deere Dubuque Works	54414	GEN8	Combustion Turbine	Iowa	1.4	Dropped - Onsite Unit
John Deere Dubuque Works	54414	GEN9	Combustion Turbine	Iowa	1.4	Dropped - Onsite Unit
John Deere Harvester Works	10039	GEN2	Coal Steam	Illinois	2	Dropped - Onsite Unit
John Deere Harvester Works	10039	GEN4	Coal Steam	Illinois	2.5	Dropped - Onsite Unit
John Deere Harvester Works	10039	GEN5	Coal Steam	Illinois	3	Dropped - Onsite Unit
John Deere Harvester Works	10039	GEN6	Coal Steam	Illinois	2.5	Dropped - Onsite Unit
King Cove	7493	1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
King Cove	7493	2	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
King Cove	7493	3	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
King Cove	7493	4	Hydro	Alaska	0.7	Dropped - in Alaska or in Hawaii
King Cove	7493	5	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Kalaeola Cogen Plant	54646	CT1	Combined Cycle	Hawaii	82	Dropped - in Alaska or in Hawaii
Kalaeola Cogen Plant	54646	CT2	Combined Cycle	Hawaii	82	Dropped - in Alaska or in Hawaii
Kalaeola Cogen Plant	54646	ST	Combined Cycle	Hawaii	50	Dropped - in Alaska or in Hawaii
Port Allen	6474	3	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Port Allen	6474	4	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Port Allen	6474	5	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Port Allen	6474	8	Combustion Turbine	Hawaii	7.6	Dropped - in Alaska or in Hawaii
Port Allen	6474	9	Combustion Turbine	Hawaii	7.6	Dropped - in Alaska or in Hawaii
Port Allen	6474	D6	Combustion Turbine	Hawaii	7.6	Dropped - in Alaska or in Hawaii
Port Allen	6474	D7	Combustion Turbine	Hawaii	7.6	Dropped - in Alaska or in Hawaii
Port Allen	6474	GT1	Combined Cycle	Hawaii	17.5	Dropped - in Alaska or in Hawaii
Port Allen	6474	GT2	Combined Cycle	Hawaii	22.6	Dropped - in Alaska or in Hawaii
Port Allen	6474	IC1	Combustion Turbine	Hawaii	1.7	Dropped - in Alaska or in Hawaii
Port Allen	6474	IC2	Combustion Turbine	Hawaii	1.7	Dropped - in Alaska or in Hawaii
Port Allen	6474	ST1	Combined Cycle	Hawaii	9	Dropped - in Alaska or in Hawaii
Kapaia Power Station	56258	CT1	Combustion Turbine	Hawaii	26.6	Dropped - in Alaska or in Hawaii
Kaweah Delta District Hospital	10042	KDHT1	Combustion Turbine	California	3.5	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Swan Lake	70	1	Hydro	Alaska	11.2	Dropped - in Alaska or in Hawaii
Swan Lake	70	2	Hydro	Alaska	11.2	Dropped - in Alaska or in Hawaii
Ketchikan	84	3	Hydro	Alaska	1.4	Dropped - in Alaska or in Hawaii
Ketchikan	84	4	Hydro	Alaska	1.4	Dropped - in Alaska or in Hawaii
Ketchikan	84	5	Hydro	Alaska	1.4	Dropped - in Alaska or in Hawaii
S W Bailey	85	1	Combustion Turbine	Alaska	3.5	Dropped - in Alaska or in Hawaii
S W Bailey	85	2	Combustion Turbine	Alaska	3.5	Dropped - in Alaska or in Hawaii
S W Bailey	85	3	Combustion Turbine	Alaska	5.5	Dropped - in Alaska or in Hawaii
S W Bailey	85	4	Combustion Turbine	Alaska	10.5	Dropped - in Alaska or in Hawaii
Beaver Falls	6580	1	Hydro	Alaska	1	Dropped - in Alaska or in Hawaii
Beaver Falls	6580	3	Hydro	Alaska	2.2	Dropped - in Alaska or in Hawaii
Beaver Falls	6580	4	Hydro	Alaska	2.2	Dropped - in Alaska or in Hawaii
Silvis	6581	1	Hydro	Alaska	2.1	Dropped - in Alaska or in Hawaii
Klein Tools Chicago	10498	17	Combustion Turbine	Illinois	1.5	Dropped - Onsite Unit
Koppers Chicago Plant	10732	GEN1	Fossil Waste	Illinois	5	Dropped - Onsite Unit
Terror Lake	71	1	Hydro	Alaska	11.2	Dropped - in Alaska or in Hawaii
Terror Lake	71	2	Hydro	Alaska	11.2	Dropped - in Alaska or in Hawaii
Kodiak	6281	1	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Kodiak	6281	2c	Combustion Turbine	Alaska	4.4	Dropped - in Alaska or in Hawaii
Kodiak	6281	3c	Combustion Turbine	Alaska	4.4	Dropped - in Alaska or in Hawaii
Kodiak	6281	4	Combustion Turbine	Alaska	7	Dropped - in Alaska or in Hawaii
Kodiak	6281	6A	Combustion Turbine	Alaska	2	Dropped - in Alaska or in Hawaii
Kodiak	6281	7A	Combustion Turbine	Alaska	2	Dropped - in Alaska or in Hawaii
Port Lions	6282	1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Port Lions	6282	2	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Port Lions	6282	3	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Port Lions	6282	4	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Nymans Plant	7723	1	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Nymans Plant	7723	2	Combustion Turbine	Alaska	7.3	Dropped - in Alaska or in Hawaii
Pillar Mountain Wind Project	57187	1	Wind	Alaska	4.5	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Kotzebue	6304	10	Combustion Turbine	Alaska	3	Dropped - in Alaska or in Hawaii
Kotzebue	6304	10wt	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	11	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	11wt	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	12	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	12wt	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	13WT	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	14	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Kotzebue	6304	14wt	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	15	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Kotzebue	6304	15WT	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	16WT	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	17WT	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	1WT	Wind	Alaska	0.6	Dropped - in Alaska or in Hawaii
Kotzebue	6304	2WT	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	3WT	Wind	Alaska	0.2	Dropped - in Alaska or in Hawaii
Kotzebue	6304	4WT	Wind	Alaska	0.5	Dropped - in Alaska or in Hawaii
Kotzebue	6304	5WT	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	6WT	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	7A	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	7WT	Wind	Alaska	0.3	Dropped - in Alaska or in Hawaii
Kotzebue	6304	8WT	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Kotzebue	6304	9wt	Wind	Alaska	0.1	Dropped - in Alaska or in Hawaii
Lagoon Cogeneration Facility	50942	1	Combustion Turbine	Utah	0.5	Dropped - Onsite Unit
Lagoon Cogeneration Facility	50942	2	Combustion Turbine	Utah	0.5	Dropped - Onsite Unit
Lagoon Cogeneration Facility	50942	3	Combustion Turbine	Utah	0.5	Dropped - Onsite Unit
Lavalley Lumber LLC	50914	1500	Biomass	Maine	1.2	Dropped - Onsite Unit
Lavalley Lumber LLC	50914	350	Combustion Turbine	Maine	0.3	Dropped - Onsite Unit
Lederle Laboratories	10521	3A	Combined Cycle	New York	1.5	Dropped - Onsite Unit
Lederle Laboratories	10521	GEN1	Combined Cycle	New York	8.3	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Lederle Laboratories	10521	GEN2	Combined Cycle	New York	8.3	Dropped - Onsite Unit
Lederle Laboratories	10521	GEN3	Combined Cycle	New York	2.2	Dropped - Onsite Unit
Lederle Laboratories	10521	TG4	Combined Cycle	New York	2	Dropped - Onsite Unit
Leviton Manufacturing	55637	GEN1	Combustion Turbine	Texas	1.8	Dropped - Onsite Unit
Fourche Creek Wastewater	10050	3	Non-Fossil Waste	Arkansas	0.5	Dropped - Onsite Unit
Fourche Creek Wastewater	10050	4	Non-Fossil Waste	Arkansas	1.3	Dropped - Onsite Unit
Hoover Company	55536	542	Combustion Turbine	Texas	1.8	Dropped - Onsite Unit
Hoover Company	55536	543	Combustion Turbine	Texas	1.8	Dropped - Onsite Unit
Hoover Company	55536	544	Combustion Turbine	Texas	1.8	Dropped - Onsite Unit
Hoover Company	55536	545	Combustion Turbine	Texas	1.8	Dropped - Onsite Unit
Loma Linda University Cogen	10206	GEN1	Combined Cycle	California	4.8	Dropped - Onsite Unit
Loma Linda University Cogen	10206	GEN2	Combined Cycle	California	4.8	Dropped - Onsite Unit
Loma Linda University Cogen	10206	GEN3	Combined Cycle	California	1.2	Dropped - Onsite Unit
Loma Linda University Cogen	10206	GEN4	Combustion Turbine	California	1.7	Dropped - Onsite Unit
Longview Fibre	54562	4	Non-Fossil Waste	Washington	10	Dropped - Onsite Unit
Longview Fibre	54562	6	Non-Fossil Waste	Washington	22	Dropped - Onsite Unit
Longview Fibre	54562	7	Non-Fossil Waste	Washington	25	Dropped - Onsite Unit
Longview Fibre	54562	8	Combustion Turbine	Washington	60	Dropped - Onsite Unit
Total Energy Facilities	10091	G2	Non-Fossil Waste	California	8	Dropped - Onsite Unit
Total Energy Facilities	10091	G3	Non-Fossil Waste	California	8	Dropped - Onsite Unit
Total Energy Facilities	10091	GEN1	Non-Fossil Waste	California	8	Dropped - Onsite Unit
Total Energy Facilities	10091	GEN4	Fossil Waste	California	4.7	Dropped - Onsite Unit
Louisiana Tech University Power Plant	54240	TG3	Combustion Turbine	Louisiana	6.4	Dropped - Onsite Unit
Lowell	1837	5	Combustion Turbine	Michigan	1.1	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Lowell	1837	6	Combustion Turbine	Michigan	1.1	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Lowell	1837	7	Combustion Turbine	Michigan	1.4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
South Georgia Medical Center	54848	GEN 7	Combustion Turbine	Georgia	0.8	Dropped - Onsite Unit
South Georgia Medical Center	54848	GEN1	Combustion Turbine	Georgia	0.4	Dropped - Onsite Unit
South Georgia Medical Center	54848	GEN2	Combustion Turbine	Georgia	0.4	Dropped - Onsite Unit
South Georgia Medical Center	54848	GEN3	Combustion Turbine	Georgia	0.4	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
South Georgia Medical Center	54848	GEN4	Combustion Turbine	Georgia	0.7	Dropped - Onsite Unit
Lutheran Medical Center	54769	GEN1	Combustion Turbine	New York	0.8	Dropped - Onsite Unit
Lutheran Medical Center	54769	GEN2	Combustion Turbine	New York	0.8	Dropped - Onsite Unit
Mars Snackfood US	54855	1	Combustion Turbine	Illinois	3	Dropped - Onsite Unit
M C Dixon Lumber	54745	GEN1	Biomass	Alabama	2.1	Dropped - Onsite Unit
MARS Chocolate North American LLC	10061	GEN1	Combined Cycle	New Jersey	10	Dropped - Onsite Unit
MARS Chocolate North American LLC	10061	GEN2	Combined Cycle	New Jersey	0.7	Dropped - Onsite Unit
M A Patout Son Ltd	51008	1000	Biomass	Louisiana	1	Dropped - Onsite Unit
M A Patout Son Ltd	51008	2000	Biomass	Louisiana	2	Dropped - Onsite Unit
Deer Island Treatment Plant	10823	G101	Combustion Turbine	Massachusetts	22	Dropped - Onsite Unit
Deer Island Treatment Plant	10823	G201	Combustion Turbine	Massachusetts	22	Dropped - Onsite Unit
Deer Island Treatment Plant	10823	H101	Hydro	Massachusetts	1	Dropped - Onsite Unit
Deer Island Treatment Plant	10823	H201	Hydro	Massachusetts	1	Dropped - Onsite Unit
Deer Island Treatment Plant	10823	PV101	Solar PV	Massachusetts	0.1	Dropped - Onsite Unit
Deer Island Treatment Plant	10823	S101	Non-Fossil Waste	Massachusetts	9	Dropped - Onsite Unit
Deer Island Treatment Plant	10823	WT101	Wind	Massachusetts	0.6	Dropped - Onsite Unit
Deer Island Treatment Plant	10823	WT102	Wind	Massachusetts	0.6	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AB1	Hydro	Maine	2.2	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AB2	Hydro	Maine	2.2	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AB3	Hydro	Maine	2.2	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AB4	Hydro	Maine	2.2	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AB5	Hydro	Maine	2.2	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AB6	Hydro	Maine	2.6	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AB7	Hydro	Maine	2.2	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AB8	Hydro	Maine	0.3	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AN1	Hydro	Maine	1.8	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AN2	Hydro	Maine	1.8	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AN3	Hydro	Maine	1.8	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AN4	Hydro	Maine	1.8	Dropped - Onsite Unit
Anson Abenaki Hydros	10186	AN5	Hydro	Maine	1.8	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Anson Abenaki Hydros	10186	STG1	O/G Steam	Maine	2	Dropped - Onsite Unit
Blount Street	3992	3	Coal Steam	Wisconsin	39.4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Blount Street	3992	4	Coal Steam	Wisconsin	21.2	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Blount Street	3992	5	Coal Steam	Wisconsin	26.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Marathon Electric	50990	P1-1	Combustion Turbine	Wisconsin	0.4	Dropped - Onsite Unit
Marathon Electric	50990	P1-2	Combustion Turbine	Wisconsin	0.4	Dropped - Onsite Unit
Marathon Electric	50990	P2-3	Combustion Turbine	Wisconsin	0.9	Dropped - Onsite Unit
Marathon Electric	50990	P2-4	Combustion Turbine	Wisconsin	0.9	Dropped - Onsite Unit
Martinez Refining	54912	GTG1	Combined Cycle	California	36	Dropped - Onsite Unit
Martinez Refining	54912	GTG2	Combined Cycle	California	36	Dropped - Onsite Unit
Martinez Refining	54912	STG1	Combined Cycle	California	18	Dropped - Onsite Unit
Eastern Correctional Institute	10693	1147	Biomass	Maryland	1.3	Dropped - Onsite Unit
Eastern Correctional Institute	10693	1148	Biomass	Maryland	1.3	Dropped - Onsite Unit
Eastern Correctional Institute	10693	DG1	Combustion Turbine	Maryland	1	Dropped - Onsite Unit
Eastern Correctional Institute	10693	DG2	Combustion Turbine	Maryland	1	Dropped - Onsite Unit
Mass Inst Tech Cntrl Utilities/Cogen Plt	54907	CTG1	Combustion Turbine	Massachusetts	19	Dropped - Onsite Unit
Unalakleet	6299	5	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Unalakleet	6299	6	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Unalakleet	6299	7	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Unalakleet	6299	8	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Palaau Power	792	15	Combustion Turbine	Hawaii	2	Dropped - in Alaska or in Hawaii
Palaau Power	792	7	Combustion Turbine	Hawaii	2.1	Dropped - in Alaska or in Hawaii
Palaau Power	792	8	Combustion Turbine	Hawaii	2.1	Dropped - in Alaska or in Hawaii
Palaau Power	792	9	Combustion Turbine	Hawaii	2.1	Dropped - in Alaska or in Hawaii
Palaau Power	792	CAT1	Combustion Turbine	Hawaii	1.2	Dropped - in Alaska or in Hawaii
Palaau Power	792	CAT2	Combustion Turbine	Hawaii	1.2	Dropped - in Alaska or in Hawaii
Palaau Power	792	CUM3	Combustion Turbine	Hawaii	0.9	Dropped - in Alaska or in Hawaii
Palaau Power	792	CUM4	Combustion Turbine	Hawaii	0.9	Dropped - in Alaska or in Hawaii
Palaau Power	792	CUM5	Combustion Turbine	Hawaii	0.9	Dropped - in Alaska or in Hawaii
Palaau Power	792	CUM6	Combustion Turbine	Hawaii	0.9	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Kahului	6056	1	O/G Steam	Hawaii	4.7	Dropped - in Alaska or in Hawaii
Kahului	6056	2	O/G Steam	Hawaii	4.7	Dropped - in Alaska or in Hawaii
Kahului	6056	3	O/G Steam	Hawaii	11	Dropped - in Alaska or in Hawaii
Kahului	6056	4	O/G Steam	Hawaii	11.9	Dropped - in Alaska or in Hawaii
Maalaea	6504	1	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Maalaea	6504	10	Combustion Turbine	Hawaii	12	Dropped - in Alaska or in Hawaii
Maalaea	6504	11	Combustion Turbine	Hawaii	12	Dropped - in Alaska or in Hawaii
Maalaea	6504	12	Combustion Turbine	Hawaii	12	Dropped - in Alaska or in Hawaii
Maalaea	6504	13	Combustion Turbine	Hawaii	12	Dropped - in Alaska or in Hawaii
Maalaea	6504	14	Combined Cycle	Hawaii	20	Dropped - in Alaska or in Hawaii
Maalaea	6504	15	Combined Cycle	Hawaii	15	Dropped - in Alaska or in Hawaii
Maalaea	6504	16	Combined Cycle	Hawaii	20	Dropped - in Alaska or in Hawaii
Maalaea	6504	17	Combined Cycle	Hawaii	21.2	Dropped - in Alaska or in Hawaii
Maalaea	6504	18	Combined Cycle	Hawaii	15	Dropped - in Alaska or in Hawaii
Maalaea	6504	19	Combined Cycle	Hawaii	21.2	Dropped - in Alaska or in Hawaii
Maalaea	6504	2	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Maalaea	6504	3	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Maalaea	6504	4	Combustion Turbine	Hawaii	5.3	Dropped - in Alaska or in Hawaii
Maalaea	6504	5	Combustion Turbine	Hawaii	5.3	Dropped - in Alaska or in Hawaii
Maalaea	6504	6	Combustion Turbine	Hawaii	5.4	Dropped - in Alaska or in Hawaii
Maalaea	6504	7	Combustion Turbine	Hawaii	5.4	Dropped - in Alaska or in Hawaii
Maalaea	6504	8	Combustion Turbine	Hawaii	5.3	Dropped - in Alaska or in Hawaii
Maalaea	6504	9	Combustion Turbine	Hawaii	5.4	Dropped - in Alaska or in Hawaii
Maalaea	6504	X1	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Maalaea	6504	X2	Combustion Turbine	Hawaii	2.5	Dropped - in Alaska or in Hawaii
Miki Basin	7264	LL1	Combustion Turbine	Hawaii	1	Dropped - in Alaska or in Hawaii
Miki Basin	7264	LL2	Combustion Turbine	Hawaii	1	Dropped - in Alaska or in Hawaii
Miki Basin	7264	LL3	Combustion Turbine	Hawaii	1	Dropped - in Alaska or in Hawaii
Miki Basin	7264	LL4	Combustion Turbine	Hawaii	1	Dropped - in Alaska or in Hawaii
Miki Basin	7264	LL5	Combustion Turbine	Hawaii	1	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Miki Basin	7264	LL6	Combustion Turbine	Hawaii	1	Dropped - in Alaska or in Hawaii
Miki Basin	7264	LL7	Combustion Turbine	Hawaii	2.1	Dropped - in Alaska or in Hawaii
Miki Basin	7264	LL8	Combustion Turbine	Hawaii	2.1	Dropped - in Alaska or in Hawaii
Hana Substation	56055	MH1	Combustion Turbine	Hawaii	1	Dropped - in Alaska or in Hawaii
Hana Substation	56055	MH2	Combustion Turbine	Hawaii	1	Dropped - in Alaska or in Hawaii
Kalaheo Hydro	10412	KAL	Hydro	Hawaii	1.1	Dropped - in Alaska or in Hawaii
Wainiha Hydro	10413	WAIA	Hydro	Hawaii	1.7	Dropped - in Alaska or in Hawaii
Wainiha Hydro	10413	WAIB	Hydro	Hawaii	1.7	Dropped - in Alaska or in Hawaii
McGrath	6555	6	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
McGrath	6555	7	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
Monterey Regional Water Cogen Facility	54951	EG1	Non-Fossil Waste	California	0.5	Dropped - Onsite Unit
Monterey Regional Water Cogen Facility	54951	EG2	Non-Fossil Waste	California	0.5	Dropped - Onsite Unit
Monterey Regional Water Cogen Facility	54951	EG3	Non-Fossil Waste	California	0.5	Dropped - Onsite Unit
Mead Coated Board	54802	GEN1	Biomass	Alabama	32	Dropped - Onsite Unit
Mead Coated Board	54802	GEN2	Biomass	Alabama	55.5	Dropped - Onsite Unit
Mead Coated Board	54802	GEN3	Combustion Turbine	Alabama	21	Dropped - Onsite Unit
West Point	52149	COG3	Combustion Turbine	Pennsylvania	38.5	Dropped - Onsite Unit
West Point	52149	GEN1	O/G Steam	Pennsylvania	3	Dropped - Onsite Unit
West Point	52149	GEN2	Combustion Turbine	Pennsylvania	24.5	Dropped - Onsite Unit
West Point	52149	GEN3	Combustion Turbine	Pennsylvania	2.4	Dropped - Onsite Unit
West Point	52149	GEN4	Combustion Turbine	Pennsylvania	1.7	Dropped - Onsite Unit
West Point	52149	GEN5	Combustion Turbine	Pennsylvania	1.2	Dropped - Onsite Unit
West Point	52149	GEN6	Combustion Turbine	Pennsylvania	1.2	Dropped - Onsite Unit
West Point	52149	GEN7	Combustion Turbine	Pennsylvania	0.7	Dropped - Onsite Unit
West Point	52149	GEN8	Combustion Turbine	Pennsylvania	1	Dropped - Onsite Unit
West Point	52149	GEN9	Combustion Turbine	Pennsylvania	0.9	Dropped - Onsite Unit
West Point	52149	GN10	Combustion Turbine	Pennsylvania	0.9	Dropped - Onsite Unit
West Point	52149	GN11	Combustion Turbine	Pennsylvania	0.9	Dropped - Onsite Unit
MeadWestvaco Evadale	50101	GEN1	Non-Fossil Waste	Texas	7.5	Dropped - Onsite Unit
MeadWestvaco Evadale	50101	GEN2	Non-Fossil Waste	Texas	32.6	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
MeadWestvaco Evadale	50101	GEN3	Non-Fossil Waste	Texas	17.6	Dropped - Onsite Unit
Merck Rahway Power Plant	10224	GEN8	O/G Steam	New Jersey	4.8	Dropped - Onsite Unit
Merck Rahway Power Plant	10224	GEN9	O/G Steam	New Jersey	10	Dropped - Onsite Unit
Elkton	52148	GEN1	O/G Steam	Virginia	2	Dropped - Onsite Unit
Elkton	52148	GEN2	Combustion Turbine	Virginia	0.8	Dropped - Onsite Unit
Metropolitan Sewerage District	10181	GEN1	Hydro	North Carolina	0.8	Dropped - Onsite Unit
Metropolitan Sewerage District	10181	GEN2	Hydro	North Carolina	0.8	Dropped - Onsite Unit
Metropolitan Sewerage District	10181	GEN3	Hydro	North Carolina	0.8	Dropped - Onsite Unit
Purple Lake	6302	1	Hydro	Alaska	1.3	Dropped - in Alaska or in Hawaii
Purple Lake	6302	2	Hydro	Alaska	1.3	Dropped - in Alaska or in Hawaii
Purple Lake	6302	3	Hydro	Alaska	1.3	Dropped - in Alaska or in Hawaii
Centennial	7112	IC6	Combustion Turbine	Alaska	3.3	Dropped - in Alaska or in Hawaii
Chester Lake	7168	1	Hydro	Alaska	1	Dropped - in Alaska or in Hawaii
Central District Wastewater Treat Plant	54623	1	Non-Fossil Waste	Florida	1.2	Dropped - Onsite Unit
Central District Wastewater Treat Plant	54623	2	Non-Fossil Waste	Florida	1.2	Dropped - Onsite Unit
Central District Wastewater Treat Plant	54623	3	Non-Fossil Waste	Florida	1.2	Dropped - Onsite Unit
Central District Wastewater Treat Plant	54623	4	Non-Fossil Waste	Florida	1.2	Dropped - Onsite Unit
South District Wastewater Treatment Plt	54624	1	Non-Fossil Waste	Florida	0.9	Dropped - Onsite Unit
South District Wastewater Treatment Plt	54624	2	Non-Fossil Waste	Florida	0.9	Dropped - Onsite Unit
South District Wastewater Treatment Plt	54624	3	Non-Fossil Waste	Florida	0.9	Dropped - Onsite Unit
Potomac River	3788	1	Coal Steam	Virginia	88	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Potomac River	3788	2	Coal Steam	Virginia	88	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Potomac River	3788	3	Coal Steam	Virginia	102	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Potomac River	3788	4	Coal Steam	Virginia	102	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Potomac River	3788	5	Coal Steam	Virginia	102	Dropped - PLANNED_RETIREMENT_YEAR <=2015
MMSD Jones Island Wastewater	54851	GEN1	Combustion Turbine	Wisconsin	13	Dropped - Onsite Unit
MMSD Jones Island Wastewater	54851	GEN2	Combustion Turbine	Wisconsin	13	Dropped - Onsite Unit
MMSD South Shore Wastewater	55525	1	Non-Fossil Waste	Wisconsin	1.4	Dropped - Onsite Unit
MMSD South Shore Wastewater	55525	1CAT	Non-Fossil Waste	Wisconsin	0.9	Dropped - Onsite Unit
MMSD South Shore Wastewater	55525	2CAT	Non-Fossil Waste	Wisconsin	0.9	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
MMSD South Shore Wastewater	55525	3CAT	Non-Fossil Waste	Wisconsin	0.9	Dropped - Onsite Unit
MMSD South Shore Wastewater	55525	4CAT	Non-Fossil Waste	Wisconsin	0.9	Dropped - Onsite Unit
Potrero Power	273	3	O/G Steam	California	206	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Potrero Power	273	4	Combustion Turbine	California	52	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Potrero Power	273	5	Combustion Turbine	California	52	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Potrero Power	273	6	Combustion Turbine	California	52	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Contra Costa	228	6	O/G Steam	California	335	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Contra Costa	228	7	O/G Steam	California	337	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Mills Pride	54978	2058	Biomass	Ohio	0.5	Dropped - Onsite Unit
Mills Pride	54978	2076	Biomass	Ohio	0.5	Dropped - Onsite Unit
Eaton	2046	1	O/G Steam	Mississippi	24.5	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Eaton	2046	2	O/G Steam	Mississippi	24.5	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Eaton	2046	3	O/G Steam	Mississippi	24.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Mississippi Baptist Medical Center	54203	A	Combustion Turbine	Mississippi	4	Dropped - Onsite Unit
ExxonMobil Oil Torrance Refinery	50624	EXP1	Coal Steam	California	7.5	Dropped - Onsite Unit
ExxonMobil Oil Torrance Refinery	50624	GTG1	Combustion Turbine	California	22.5	Dropped - Onsite Unit
ExxonMobil Oil Torrance Refinery	50624	STG1	Non-Fossil Waste	California	19.3	Dropped - Onsite Unit
Montclair Cogen Facility	54708	1	Combustion Turbine	New Jersey	3.7	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Motiva Enterprises Port Arthur Refinery	50973	GN26	Combined Cycle	Texas	9.7	Dropped - Onsite Unit
Motiva Enterprises Port Arthur Refinery	50973	GN27	O/G Steam	Texas	4.3	Dropped - Onsite Unit
Motiva Enterprises Port Arthur Refinery	50973	GN31	O/G Steam	Texas	5.9	Dropped - Onsite Unit
Motiva Enterprises Port Arthur Refinery	50973	GN32	O/G Steam	Texas	15	Dropped - Onsite Unit
Motiva Enterprises Port Arthur Refinery	50973	GN33	O/G Steam	Texas	8	Dropped - Onsite Unit
Motiva Enterprises Port Arthur Refinery	50973	GN34	Combined Cycle	Texas	15.6	Dropped - Onsite Unit
Motiva Enterprises Port Arthur Refinery	50973	GN35	Combined Cycle	Texas	22.5	Dropped - Onsite Unit
Morton Salt Rittman	54335	GEN1	Coal Steam	Ohio	1.5	Dropped - Onsite Unit
Mosinee Paper	50614	GEN1	Non-Fossil Waste	Wisconsin	13	Dropped - Onsite Unit
Mosinee Paper	50614	HYD1	Hydro	Wisconsin	2	Dropped - Onsite Unit
Mosinee Paper	50614	HYD2	Hydro	Wisconsin	0.7	Dropped - Onsite Unit
Mosinee Paper	50614	HYD3	Hydro	Wisconsin	0.7	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Mosinee Paper	50614	WEST	Non-Fossil Waste	Wisconsin	5	Dropped - Onsite Unit
Murphy-Brown LLC	55002	1	Combustion Turbine	North Carolina	1.2	Dropped - Onsite Unit
Murphy-Brown LLC	55002	2	Combustion Turbine	North Carolina	1.2	Dropped - Onsite Unit
Papillion Creek Wastewater	55027	951	Non-Fossil Waste	Nebraska	0.5	Dropped - Onsite Unit
Papillion Creek Wastewater	55027	952	Non-Fossil Waste	Nebraska	0.5	Dropped - Onsite Unit
Papillion Creek Wastewater	55027	953	Non-Fossil Waste	Nebraska	0.5	Dropped - Onsite Unit
Missouri River Wastewater Treatment	55033	6013	Non-Fossil Waste	Nebraska	1	Dropped - Onsite Unit
Missouri River Wastewater Treatment	55033	6101	Non-Fossil Waste	Nebraska	1	Dropped - Onsite Unit
Missouri River Wastewater Treatment	55033	6102	Non-Fossil Waste	Nebraska	1	Dropped - Onsite Unit
Naknek	6301	4A	Combustion Turbine	Alaska	1.3	Dropped - in Alaska or in Hawaii
Naknek	6301	5A	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Naknek	6301	6A	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Naknek	6301	7A	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Naknek	6301	8	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Naknek	6301	NA1	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Naknek	6301	NA2	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Naknek	6301	NA3	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Naknek	6301	NA4	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Naknek	6301	NA5	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
New York University Central Plant	54808	D2	Combustion Turbine	New York	0.6	Dropped - Onsite Unit
New York University Central Plant	54808	D3	Combustion Turbine	New York	0.6	Dropped - Onsite Unit
New York University Central Plant	54808	D4	Combustion Turbine	New York	0.6	Dropped - Onsite Unit
New York University Central Plant	54808	D5	Combustion Turbine	New York	0.6	Dropped - Onsite Unit
New York University Central Plant	54808	D6	Combustion Turbine	New York	0.6	Dropped - Onsite Unit
New York University Central Plant	54808	D7	Combustion Turbine	New York	0.6	Dropped - Onsite Unit
New York University Central Plant	54808	DI	Combustion Turbine	New York	0.6	Dropped - Onsite Unit
New York University Central Plant	54808	GT1	Combined Cycle	New York	5.5	Dropped - Onsite Unit
New York University Central Plant	54808	GT2	Combined Cycle	New York	5.5	Dropped - Onsite Unit
New York University Central Plant	54808	T1	Combined Cycle	New York	1.8	Dropped - Onsite Unit
Newman	54250	1	O/G Steam	Pennsylvania	1.8	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Snake River	90	11	Combustion Turbine	Alaska	1.5	Dropped - in Alaska or in Hawaii
Snake River	90	12	Combustion Turbine	Alaska	3.7	Dropped - in Alaska or in Hawaii
Snake River	90	14	Combustion Turbine	Alaska	1.9	Dropped - in Alaska or in Hawaii
Snake River	90	15	Combustion Turbine	Alaska	5.2	Dropped - in Alaska or in Hawaii
Snake River	90	16	Combustion Turbine	Alaska	5.2	Dropped - in Alaska or in Hawaii
Snake River	90	9	Combustion Turbine	Alaska	2.9	Dropped - in Alaska or in Hawaii
Juniata Locomotive Shop	10302	GEN1	Coal Steam	Pennsylvania	0.3	Dropped - Onsite Unit
Juniata Locomotive Shop	10302	GEN2	Coal Steam	Pennsylvania	0.3	Dropped - Onsite Unit
Dean H Mitchell	996	9A	Combustion Turbine	Indiana	17	Dropped - PLANNED_RETIREMENT_YEAR <=2015
5 AC Station	54995	17TG	Fossil Waste	Indiana	75	Dropped - Onsite Unit
Black Dog	1904	3	Coal Steam	Minnesota	79	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Black Dog	1904	4	Coal Steam	Minnesota	162	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Dillingham	109	10	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Dillingham	109	11	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Dillingham	109	12	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Dillingham	109	13	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Dillingham	109	14	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Dillingham	109	15	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Dillingham	109	16	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Wichita Plant	50169	GEN1	Combustion Turbine	Kansas	27	Dropped - Onsite Unit
Bayville Central Facility	54569	COG1	Non-Fossil Waste	New Jersey	0.3	Dropped - Onsite Unit
Bayville Central Facility	54569	COG2	Non-Fossil Waste	New Jersey	0.3	Dropped - Onsite Unit
Bayville Central Facility	54569	COG3	Non-Fossil Waste	New Jersey	0.3	Dropped - Onsite Unit
Bayville Central Facility	54569	COG4	Combustion Turbine	New Jersey	1.5	Dropped - Onsite Unit
Bayville Central Facility	54569	COG5	Combustion Turbine	New Jersey	1.5	Dropped - Onsite Unit
Bayville Central Facility	54569	COG6	Combustion Turbine	New Jersey	1.5	Dropped - Onsite Unit
Bayville Central Facility	54569	COG7	Combustion Turbine	New Jersey	1.5	Dropped - Onsite Unit
Bayville Central Facility	54569	CPV1	Solar PV	New Jersey	0.2	Dropped - Onsite Unit
Oakwood Hospital & Medical Center	50260	1 2M	Combustion Turbine	Michigan	2	Dropped - Onsite Unit
Oakwood Hospital & Medical Center	50260	2 2M	Combustion Turbine	Michigan	2	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Oakwood Hospital & Medical Center	50260	500A	Combustion Turbine	Michigan	0.5	Dropped - Onsite Unit
Oakwood Hospital & Medical Center	50260	500KW	Combustion Turbine	Michigan	0.5	Dropped - Onsite Unit
Elk Hills Cogen	55950	U1	Combustion Turbine	California	23.3	Dropped - Onsite Unit
Elk Hills Cogen	55950	U2	Combustion Turbine	California	23.3	Dropped - Onsite Unit
Oklahoma State University	54779	GEN1	O/G Steam	Oklahoma	1.6	Dropped - Onsite Unit
Oklahoma State University	54779	GEN2	O/G Steam	Oklahoma	1.6	Dropped - Onsite Unit
Oklahoma State University	54779	GEN4	O/G Steam	Oklahoma	5.2	Dropped - Onsite Unit
Plant No 1	50696	GEN1	Non-Fossil Waste	California	2.4	Dropped - Onsite Unit
Plant No 1	50696	GEN2	Non-Fossil Waste	California	2.4	Dropped - Onsite Unit
Plant No 1	50696	GEN3	Non-Fossil Waste	California	2.4	Dropped - Onsite Unit
Plant No 2	52099	GEN1	Non-Fossil Waste	California	2.7	Dropped - Onsite Unit
Plant No 2	52099	GEN2	Non-Fossil Waste	California	2.7	Dropped - Onsite Unit
Plant No 2	52099	GEN3	Non-Fossil Waste	California	2.7	Dropped - Onsite Unit
Plant No 2	52099	GEN4	Non-Fossil Waste	California	2.7	Dropped - Onsite Unit
Plant No 2	52099	GEN5	Non-Fossil Waste	California	2.7	Dropped - Onsite Unit
Plant No 2	52099	GEN6	Non-Fossil Waste	California	0.9	Dropped - Onsite Unit
PPG Powerhouse A	50487	A1	Non-Fossil Waste	Louisiana	7.5	Dropped - Onsite Unit
PPG Powerhouse A	50487	A2	Non-Fossil Waste	Louisiana	7.5	Dropped - Onsite Unit
PPG Powerhouse A	50487	A4	Non-Fossil Waste	Louisiana	7.5	Dropped - Onsite Unit
PPG Powerhouse A	50487	A7	Non-Fossil Waste	Louisiana	10	Dropped - Onsite Unit
PPG Powerhouse A	50487	A9	Non-Fossil Waste	Louisiana	20	Dropped - Onsite Unit
Alta Powerhouse	214	2	Hydro	California	1	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cow Creek	229	1	Hydro	California	0.9	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cow Creek	229	2	Hydro	California	0.9	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Kilarc	253	1	Hydro	California	1.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Kilarc	253	2	Hydro	California	1.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Packaging Corp of America	50296	GEN1	Non-Fossil Waste	Tennessee	50	Dropped - Onsite Unit
Packaging Corp of America	50296	GEN2	Non-Fossil Waste	Tennessee	22.5	Dropped - Onsite Unit
Packaging of America Tomahawk Mill	50476	GEN1	Coal Steam	Wisconsin	5.4	Dropped - Onsite Unit
Packaging of America Tomahawk Mill	50476	GEN2	Coal Steam	Wisconsin	8.2	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Packaging of America Tomahawk Mill	50476	GEN3	Hydro	Wisconsin	0.5	Dropped - Onsite Unit
Packaging of America Tomahawk Mill	50476	GEN4	Hydro	Wisconsin	0.3	Dropped - Onsite Unit
Packaging of America Tomahawk Mill	50476	GEN5	Hydro	Wisconsin	0.3	Dropped - Onsite Unit
Municipal Cogen Plant	50674	GEN1	Combustion Turbine	California	0.6	Dropped - Onsite Unit
Municipal Cogen Plant	50674	GEN2	Combustion Turbine	California	0.6	Dropped - Onsite Unit
Panduit Tinley Park	54932	GEN1	Combustion Turbine	Illinois	0.7	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Panduit Tinley Park	54932	GEN2	Combustion Turbine	Illinois	0.7	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Park 500 Philip Morris USA	50275	TG2	Coal Steam	Virginia	2	Dropped - Onsite Unit
Park 500 Philip Morris USA	50275	TG3	Coal Steam	Virginia	10.5	Dropped - Onsite Unit
Caribou Generation Station	1513	1	O/G Steam	Maine	9	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Flos Inn Diesel	1514	FID1	Combustion Turbine	Maine	1.4	Dropped - Onsite Unit
Flos Inn Diesel	1514	FID2	Combustion Turbine	Maine	1.4	Dropped - Onsite Unit
Flos Inn Diesel	1514	FID3	Combustion Turbine	Maine	1.4	Dropped - Onsite Unit
Standby Generation Plant	50310	1	Combustion Turbine	Florida	1.1	Dropped - Onsite Unit
Standby Generation Plant	50310	1SB	Combustion Turbine	Florida	1.3	Dropped - Onsite Unit
Standby Generation Plant	50310	2	Combustion Turbine	Florida	1.1	Dropped - Onsite Unit
Standby Generation Plant	50310	2SB	Combustion Turbine	Florida	1.3	Dropped - Onsite Unit
Standby Generation Plant	50310	3	Combustion Turbine	Florida	1.1	Dropped - Onsite Unit
Standby Generation Plant	50310	3SB	Combustion Turbine	Florida	1.3	Dropped - Onsite Unit
Standby Generation Plant	50310	4SB	Combustion Turbine	Florida	1.3	Dropped - Onsite Unit
Standby Generation Plant	50310	5SB	Combustion Turbine	Florida	1.3	Dropped - Onsite Unit
Standby Generation Plant	50310	6SB	Combustion Turbine	Florida	1.3	Dropped - Onsite Unit
Standby Generation Plant	50310	7SB	Combustion Turbine	Florida	1.3	Dropped - Onsite Unit
Standby Generation Plant	50310	8SB	Combustion Turbine	Florida	1.3	Dropped - Onsite Unit
Oilseed Plant	10515	GEN1	Coal Steam	Virginia	1.6	Dropped - Onsite Unit
Petersburg	91	3	Hydro	Alaska	1.6	Dropped - in Alaska or in Hawaii
Petersburg	91	IC1	Combustion Turbine	Alaska	1.7	Dropped - in Alaska or in Hawaii
Petersburg	91	IC2	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Petersburg	91	IC3	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Petersburg	91	IC4	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Petersburg	91	IC5	Combustion Turbine	Alaska	0.7	Dropped - in Alaska or in Hawaii
Petersburg	91	IC6	Combustion Turbine	Alaska	2.3	Dropped - in Alaska or in Hawaii
Petersburg	91	IC7	Combustion Turbine	Alaska	2.3	Dropped - in Alaska or in Hawaii
Phelps Dodge Refining	54628	2607	Combustion Turbine	Texas	2.6	Dropped - Onsite Unit
Phelps Dodge Refining	54628	2608	Combustion Turbine	Texas	2.6	Dropped - Onsite Unit
Phelps Dodge Refining	54628	3001	Combustion Turbine	Texas	3.2	Dropped - Onsite Unit
Phelps Dodge Refining	54628	3002	Combustion Turbine	Texas	3.2	Dropped - Onsite Unit
Phelps Dodge Refining	54628	3003	Combustion Turbine	Texas	3.2	Dropped - Onsite Unit
Pfizer Groton Plant	54236	GT-1	Combustion Turbine	Connecticut	9.5	Dropped - Onsite Unit
Pfizer Groton Plant	54236	TG 2	O/G Steam	Connecticut	2.5	Dropped - Onsite Unit
Pfizer Groton Plant	54236	TG 3	O/G Steam	Connecticut	9.4	Dropped - Onsite Unit
Pfizer Groton Plant	54236	TG 4	O/G Steam	Connecticut	10	Dropped - Onsite Unit
Pfizer Groton Plant	54236	TG5	O/G Steam	Connecticut	7.5	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	1	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	10	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	11	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	12	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	13	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	14	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	15	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	2	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	3	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	4	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	5	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	6	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	7	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	8	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Phelps Dodge Tyrone	54734	9	Combustion Turbine	New Mexico	2.9	Dropped - Onsite Unit
Bergen Generating Station	2398	3	Combustion Turbine	New Jersey	21	Dropped - PLANNED_RETIREMENT_YEAR <=2015
PSEG Burlington Generating Station	2399	8	Combustion Turbine	New Jersey	21	Dropped - PLANNED_RETIREMENT_YEAR <=2015

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
PSEG Hudson Generating Station	2403	1	O/G Steam	New Jersey	355	Dropped - PLANNED_RETIREMENT_YEAR <=2015
PSEG Kearny Generating Station	2404	10	Combustion Turbine	New Jersey	122	Dropped - PLANNED_RETIREMENT_YEAR <=2015
PSEG Kearny Generating Station	2404	11	Combustion Turbine	New Jersey	128	Dropped - PLANNED_RETIREMENT_YEAR <=2015
PSEG Kearny Generating Station	2404	9	Combustion Turbine	New Jersey	21	Dropped - PLANNED_RETIREMENT_YEAR <=2015
PSEG Linden Generating Station	2406	3	Combustion Turbine	New Jersey	21	Dropped - PLANNED_RETIREMENT_YEAR <=2015
PSEG Mercer Generating Station	2408	3	Combustion Turbine	New Jersey	115	Dropped - PLANNED_RETIREMENT_YEAR <=2015
PSEG National Park Generating Station	2409	1	Combustion Turbine	New Jersey	21	Dropped - PLANNED_RETIREMENT_YEAR <=2015
PSEG Sewaren Generating Station	2411	6	Combustion Turbine	New Jersey	105	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Port Allen	50389	GEN1	Combustion Turbine	Louisiana	2.5	Dropped - Onsite Unit
Port Allen	50389	GEN2	Combustion Turbine	Louisiana	2.7	Dropped - Onsite Unit
PCS Nitrogen Fertilizer LP	50341	GEN2	Non-Fossil Waste	Louisiana	8	Dropped - Onsite Unit
Benning	603	15	O/G Steam	District of Columbia	275	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Benning	603	16	O/G Steam	District of Columbia	275	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	E1	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	E2	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	E4	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	E5	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	E6	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	E7	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	E8	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	W10	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	W11	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	W12	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	W13	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	W14	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	W15	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	W16	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Buzzard Point	604	W9	Combustion Turbine	District of Columbia	16	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Rainbow	2193	RAI1	Hydro	Montana	4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Rainbow	2193	RAI2	Hydro	Montana	4	Dropped - PLANNED_RETIREMENT_YEAR <=2015

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Rainbow	2193	RAI3	Hydro	Montana	4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Rainbow	2193	RAI4	Hydro	Montana	4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Rainbow	2193	RAI5	Hydro	Montana	4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Rainbow	2193	RAI6	Hydro	Montana	4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Rainbow	2193	RAI7	Hydro	Montana	6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Rainbow	2193	RAI8	Hydro	Montana	6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Linde Wilmington	50148	GEN1	Combined Cycle	California	21	Dropped - Onsite Unit
Linde Wilmington	50148	GEN2	Combined Cycle	California	6	Dropped - Onsite Unit
Procter & Gamble Mehoopany Mill	50463	GEN1	Combustion Turbine	Pennsylvania	40	Dropped - Onsite Unit
Procter & Gamble Mehoopany Mill	50463	GEN2	O/G Steam	Pennsylvania	0.9	Dropped - Onsite Unit
Procter & Gamble Cincinnati Plant	50456	GEN1	Coal Steam	Ohio	11.7	Dropped - Onsite Unit
Bridgeport Station	568	2	O/G Steam	Connecticut	130.5	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Arapahoe	465	3	Coal Steam	Colorado	44	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cherokee	469	1	Coal Steam	Colorado	107	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Cherokee	469	2	Coal Steam	Colorado	106	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Zuni	478	2	O/G Steam	Colorado	65	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Edwardsport	1004	6	O/G Steam	Indiana	40	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Edwardsport	1004	7	Coal Steam	Indiana	45	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Edwardsport	1004	8	Coal Steam	Indiana	75	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Las Vegas	2447	1	Combustion Turbine	New Mexico	20	Dropped - PLANNED_RETIREMENT_YEAR <=2015
PSEG Salem Generating Station	2410	3	Combustion Turbine	New Jersey	38.4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Purdue University	50240	GEN1	Coal Steam	Indiana	30.8	Dropped - Onsite Unit
Purdue University	50240	GEN2	Coal Steam	Indiana	7	Dropped - Onsite Unit
Purdue University	50240	GEN3	Combustion Turbine	Indiana	1.8	Dropped - Onsite Unit
Rayonier Jesup Mill	10560	GEN2	Biomass	Georgia	4.7	Dropped - Onsite Unit
Rayonier Jesup Mill	10560	GEN3	Biomass	Georgia	7	Dropped - Onsite Unit
Rayonier Jesup Mill	10560	GEN4	Biomass	Georgia	7	Dropped - Onsite Unit
Rayonier Jesup Mill	10560	GEN5	Non-Fossil Waste	Georgia	27.9	Dropped - Onsite Unit
Rayonier Jesup Mill	10560	GEN6	Non-Fossil Waste	Georgia	25.1	Dropped - Onsite Unit
Rayonier Fernandina Mill	10562	GEN3	Biomass	Florida	6.5	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Rayonier Fernandina Mill	10562	GEN4	Biomass	Florida	21	Dropped - Onsite Unit
NRG Energy San Diego	54337	1	Combustion Turbine	California	0.8	Dropped - Onsite Unit
NRG Energy San Diego	54337	2	Combustion Turbine	California	0.8	Dropped - Onsite Unit
Saint Mary of Nazareth Hospital	54886	GEN1	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Saint Mary of Nazareth Hospital	54886	GEN2	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Saint Mary of Nazareth Hospital	54886	GEN3	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Martinez Sulfuric Acid Regeneration Plt	52063	GEN1	Non-Fossil Waste	California	4	Dropped - Onsite Unit
Rice University	50054	GEN1	Combustion Turbine	Texas	3.1	Dropped - Onsite Unit
Rice University	50054	GEN2	Combustion Turbine	Texas	3.8	Dropped - Onsite Unit
Rhode Island Hospital	52024	GEN2	O/G Steam	Rhode Island	1.7	Dropped - Onsite Unit
Rhode Island Hospital	52024	GEN4	O/G Steam	Rhode Island	1.7	Dropped - Onsite Unit
Rhode Island Hospital	52024	NEW1	O/G Steam	Rhode Island	3	Dropped - Onsite Unit
Rhode Island Hospital	52024	NEW3	O/G Steam	Rhode Island	3	Dropped - Onsite Unit
Riverwood International Macon Mill	54464	1	Non-Fossil Waste	Georgia	9	Dropped - Onsite Unit
Riverwood International Macon Mill	54464	2	Non-Fossil Waste	Georgia	4.7	Dropped - Onsite Unit
Riverwood International Macon Mill	54464	3	Non-Fossil Waste	Georgia	4.7	Dropped - Onsite Unit
Riverwood International Macon Mill	54464	4	Non-Fossil Waste	Georgia	21.6	Dropped - Onsite Unit
Plant 31 Paper Mill	50028	GEN2	O/G Steam	Louisiana	6	Dropped - Onsite Unit
Plant 31 Paper Mill	50028	GEN3	O/G Steam	Louisiana	6	Dropped - Onsite Unit
Plant 31 Paper Mill	50028	GEN4	O/G Steam	Louisiana	6	Dropped - Onsite Unit
Plant 31 Paper Mill	50028	GEN5	O/G Steam	Louisiana	25	Dropped - Onsite Unit
Plant 31 Paper Mill	50028	GEN6	O/G Steam	Louisiana	20	Dropped - Onsite Unit
Rio Grande Valley Sugar Growers	54338	GENA	Biomass	Texas	2.5	Dropped - Onsite Unit
Rio Grande Valley Sugar Growers	54338	GENB	Biomass	Texas	2.5	Dropped - Onsite Unit
Rio Grande Valley Sugar Growers	54338	GENC	Biomass	Texas	2.5	Dropped - Onsite Unit
Somerset Plant	50406	GEN1	Non-Fossil Waste	Maine	50	Dropped - Onsite Unit
Somerset Plant	50406	GEN2	Non-Fossil Waste	Maine	65	Dropped - Onsite Unit
Robbins Lumber	50230	CAT	Combustion Turbine	Maine	1.8	Dropped - Onsite Unit
Robbins Lumber	50230	WEST	Biomass	Maine	1.1	Dropped - Onsite Unit
Norton Powerhouse	50041	GEN1	Coal Steam	Massachusetts	2.5	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Norton Powerhouse	50041	GEN2	Coal Steam	Massachusetts	3.1	Dropped - Onsite Unit
Saint Francis Hospital	50952	GEN1	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Saint Francis Hospital	50952	GEN2	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Salem Street Dept	56289	1	Combustion Turbine	Virginia	2	Dropped - Onsite Unit
Saint Agnes Medical Center	54800	9911	Combustion Turbine	California	2.7	Dropped - Onsite Unit
Saint Agnes Medical Center	54800	9929	Combustion Turbine	California	2.7	Dropped - Onsite Unit
Santa Maria Cogen Plant	10733	GEN1	Combustion Turbine	California	7	Dropped - Onsite Unit
San Antonio Community Hospital	50234	2074	Combustion Turbine	California	0.1	Dropped - Onsite Unit
San Antonio Community Hospital	50234	2075	Combustion Turbine	California	0.1	Dropped - Onsite Unit
San Antonio Community Hospital	50234	2076	Combustion Turbine	California	0.1	Dropped - Onsite Unit
W B Tuttle	3613	1	O/G Steam	Texas	60	Dropped - PLANNED_RETIREMENT_YEAR <=2015
W B Tuttle	3613	3	O/G Steam	Texas	100	Dropped - PLANNED_RETIREMENT_YEAR <=2015
W B Tuttle	3613	4	O/G Steam	Texas	154	Dropped - PLANNED_RETIREMENT_YEAR <=2015
San Diego State University	50061	GEN2	Combined Cycle	California	4.6	Dropped - Onsite Unit
San Diego State University	50061	GEN3	Combined Cycle	California	4.6	Dropped - Onsite Unit
San Diego State University	50061	GEN4	Combined Cycle	California	4.1	Dropped - Onsite Unit
Sappi Cloquet Mill	50639	GEN3	Biomass	Minnesota	14.8	Dropped - Onsite Unit
Sappi Cloquet Mill	50639	GEN4	Biomass	Minnesota	20.5	Dropped - Onsite Unit
Sappi Cloquet Mill	50639	GEN5	Non-Fossil Waste	Minnesota	14	Dropped - Onsite Unit
Sappi Cloquet Mill	50639	HGN1	Hydro	Minnesota	1.6	Dropped - Onsite Unit
Sappi Cloquet Mill	50639	HGN5	Hydro	Minnesota	0.5	Dropped - Onsite Unit
Sappi Cloquet Mill	50639	HGN6	Hydro	Minnesota	0.5	Dropped - Onsite Unit
Sappi Cloquet Mill	50639	HGN7	Hydro	Minnesota	1	Dropped - Onsite Unit
SJ/SC WPCP	56080	E2	Non-Fossil Waste	California	0.8	Dropped - Onsite Unit
SJ/SC WPCP	56080	E3	Non-Fossil Waste	California	0.8	Dropped - Onsite Unit
SJ/SC WPCP	56080	E5	Non-Fossil Waste	California	1.8	Dropped - Onsite Unit
SJ/SC WPCP	56080	EG1	Combustion Turbine	California	2.8	Dropped - Onsite Unit
SJ/SC WPCP	56080	EG2	Combustion Turbine	California	2.8	Dropped - Onsite Unit
SJ/SC WPCP	56080	EG3	Combustion Turbine	California	2.8	Dropped - Onsite Unit
Schering Cogen Facility	54970	GEN1	Combustion Turbine	New Jersey	3.5	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Schering Cogen Facility	54970	GEN2	Combustion Turbine	New Jersey	3.5	Dropped - Onsite Unit
Seward	92	3	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Seward	92	4	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Seward	92	5	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Seward	92	6	Combustion Turbine	Alaska	2.8	Dropped - in Alaska or in Hawaii
Seward	92	N1	Combustion Turbine	Alaska	2.8	Dropped - in Alaska or in Hawaii
Seward	92	N2	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Simplot Phosphates	54472	GEN1	Non-Fossil Waste	Wyoming	11.5	Dropped - Onsite Unit
Westhollow Technology Center	54330	1	Combustion Turbine	Texas	3.7	Dropped - Onsite Unit
Shepherd Center	54813	1	Combustion Turbine	Georgia	0.6	Dropped - Onsite Unit
Shepherd Center	54813	2	Combustion Turbine	Georgia	0.6	Dropped - Onsite Unit
Shepherd Center	54813	3	Combustion Turbine	Georgia	0.2	Dropped - Onsite Unit
Shepherd Center	54813	4	Combustion Turbine	Georgia	0.3	Dropped - Onsite Unit
Shepherd Center	54813	5	Combustion Turbine	Georgia	0.6	Dropped - Onsite Unit
Shepherd Center	54813	6	Combustion Turbine	Georgia	0.6	Dropped - Onsite Unit
Sherman Hospital	50909	1	Combustion Turbine	Illinois	0.8	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Sherman Hospital	50909	2	Combustion Turbine	Illinois	0.8	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Shell Deer Park	50304	GEN1	Non-Fossil Waste	Texas	45	Dropped - Onsite Unit
Shell Deer Park	50304	GEN2	Non-Fossil Waste	Texas	45	Dropped - Onsite Unit
Shell Deer Park	50304	GEN4	Fossil Waste	Texas	70	Dropped - Onsite Unit
Shell Deer Park	50304	GEN5	Fossil Waste	Texas	70	Dropped - Onsite Unit
Simplot Leasing Don Plant	50274	GEN1	Non-Fossil Waste	Idaho	14.8	Dropped - Onsite Unit
Blue Lake	93	1	Hydro	Alaska	3	Dropped - in Alaska or in Hawaii
Blue Lake	93	2	Hydro	Alaska	3	Dropped - in Alaska or in Hawaii
Green Lake	313	1	Hydro	Alaska	9.3	Dropped - in Alaska or in Hawaii
Green Lake	313	2	Hydro	Alaska	9.3	Dropped - in Alaska or in Hawaii
Jarvis Street	6801	1	Combustion Turbine	Alaska	2	Dropped - in Alaska or in Hawaii
Jarvis Street	6801	2	Combustion Turbine	Alaska	2.8	Dropped - in Alaska or in Hawaii
Jarvis Street	6801	3	Combustion Turbine	Alaska	2.8	Dropped - in Alaska or in Hawaii
Jarvis Street	6801	4	Combustion Turbine	Alaska	4	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Sloss Industries Corp	50359	10	Fossil Waste	Alabama	8.5	Dropped - Onsite Unit
Sloss Industries Corp	50359	9	Fossil Waste	Alabama	7.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GEN1	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GEN2	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GEN3	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GEN4	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GEN5	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GEN6	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GEN7	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GEN8	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GEN9	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GN10	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GN11	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GN12	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GN13	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GN14	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GN15	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GN16	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GN17	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GN18	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
Smithfield Packing Bladen	54823	GN19	Combustion Turbine	North Carolina	1.5	Dropped - Onsite Unit
West Point Mill	10017	GEN8	Non-Fossil Waste	Virginia	5	Dropped - Onsite Unit
West Point Mill	10017	GEN9	Non-Fossil Waste	Virginia	10	Dropped - Onsite Unit
West Point Mill	10017	GN10	Non-Fossil Waste	Virginia	25	Dropped - Onsite Unit
West Point Mill	10017	GN11	Non-Fossil Waste	Virginia	15	Dropped - Onsite Unit
West Point Mill	10017	GN12	Non-Fossil Waste	Virginia	46	Dropped - Onsite Unit
Power Station 4	52132	GEN1	Combined Cycle	Texas	69	Dropped - Onsite Unit
Power Station 4	52132	GEN2	Combined Cycle	Texas	69	Dropped - Onsite Unit
Power Station 4	52132	GEN3	Combined Cycle	Texas	34	Dropped - Onsite Unit
Aliso Water Management Agency	10820	GEN1	Non-Fossil Waste	California	0.4	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Aliso Water Management Agency	10820	GEN2	Non-Fossil Waste	California	0.4	Dropped - Onsite Unit
Aliso Water Management Agency	10820	GEN3	Non-Fossil Waste	California	0.4	Dropped - Onsite Unit
Southern Minnesota Beet Sugar	54533	1	Coal Steam	Minnesota	7.5	Dropped - Onsite Unit
Mohave	2341	1	Coal Steam	Nevada	790	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Mohave	2341	2	Coal Steam	Nevada	790	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Dublin Mill	54004	GEN1	Coal Steam	Georgia	44	Dropped - Onsite Unit
Dublin Mill	54004	GEN2	Combustion Turbine	Georgia	40	Dropped - Onsite Unit
Spartanburg Water System	54675	DI1	Combustion Turbine	South Carolina	1.6	Dropped - Onsite Unit
Spartanburg Water System	54675	HG1	Hydro	South Carolina	0.5	Dropped - Onsite Unit
Spartanburg Water System	54675	HG2	Hydro	South Carolina	0.5	Dropped - Onsite Unit
Solano County Cogen Plant	50985	3163	Combustion Turbine	California	1	Dropped - Onsite Unit
Solano County Cogen Plant	50985	3164	Combustion Turbine	California	0.4	Dropped - Onsite Unit
Solano County Cogen Plant	50985	3165	Combustion Turbine	California	1.4	Dropped - Onsite Unit
Riverview	3487	6	Combustion Turbine	Texas	22	Dropped - Unit dismantled and sold per comment
CenturyLink Regional HQ	54882	GEN1	Combustion Turbine	North Carolina	0.6	Dropped - Onsite Unit
CenturyLink Regional HQ	54882	GEN2	Combustion Turbine	North Carolina	0.6	Dropped - Onsite Unit
St Josephs Hospital	54534	1	Combustion Turbine	Florida	1.6	Dropped - Onsite Unit
Saint Marys Hospital Power Plant	54262	1	Combined Cycle	Minnesota	4.5	Dropped - Onsite Unit
Saint Marys Hospital Power Plant	54262	4	Combined Cycle	Minnesota	2.7	Dropped - Onsite Unit
Saint Marys Hospital Power Plant	54262	5	Combustion Turbine	Minnesota	2.5	Dropped - Onsite Unit
Saint Marys Hospital Power Plant	54262	6	Combustion Turbine	Minnesota	2.7	Dropped - Onsite Unit
St Vincents Medical Center	54535	6805	Combustion Turbine	Florida	1.3	Dropped - Onsite Unit
Central Power Plant	50621	GEN3	O/G Steam	Rhode Island	2	Dropped - Onsite Unit
Central Power Plant	50621	GEN4	O/G Steam	Rhode Island	2	Dropped - Onsite Unit
Central Power Plant	50621	GEN5	Combustion Turbine	Rhode Island	2.8	Dropped - Onsite Unit
Central Power Plant	50621	GEN6	Combustion Turbine	Rhode Island	2.8	Dropped - Onsite Unit
State Farm Insurance Support Center East	55274	2A	Combustion Turbine	Georgia	1.8	Dropped - Onsite Unit
State Farm Insurance Support Center East	55274	2B	Combustion Turbine	Georgia	1.8	Dropped - Onsite Unit
State Farm Insurance Support Center East	55274	3A	Combustion Turbine	Georgia	1.8	Dropped - Onsite Unit
State Farm Insurance Support Center East	55274	3B	Combustion Turbine	Georgia	1.8	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
State Farm Insurance Support Center East	55274	4A	Combustion Turbine	Georgia	1.8	Dropped - Onsite Unit
State Farm Insurance Support Center East	55274	4B	Combustion Turbine	Georgia	1.8	Dropped - Onsite Unit
Starrett City Cogen Facility	50743	GEN1	O/G Steam	New York	5.5	Dropped - Onsite Unit
Starrett City Cogen Facility	50743	GEN2	O/G Steam	New York	5.5	Dropped - Onsite Unit
Starrett City Cogen Facility	50743	GEN3	Combustion Turbine	New York	2	Dropped - Onsite Unit
Starrett City Cogen Facility	50743	GEN4	Combustion Turbine	New York	2	Dropped - Onsite Unit
Starrett City Cogen Facility	50743	GEN5	Combustion Turbine	New York	2	Dropped - Onsite Unit
Capitol Heat and Power	54406	1	O/G Steam	Wisconsin	0.9	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Capitol Heat and Power	54406	2	O/G Steam	Wisconsin	1	Dropped - PLANNED_RETIREMENT_YEAR <=2015
State Line Energy	981	3	Coal Steam	Indiana	197	Dropped - PLANNED_RETIREMENT_YEAR <=2015
State Line Energy	981	3A	Coal Steam	Indiana		Dropped - PLANNED_RETIREMENT_YEAR <=2015
State Line Energy	981	4	Coal Steam	Indiana	318	Dropped - PLANNED_RETIREMENT_YEAR <=2015
State Line Energy	981	4A	Coal Steam	Indiana		Dropped - PLANNED_RETIREMENT_YEAR <=2015
State Farm Insur Support Center Central	55390	2A	Combustion Turbine	Texas	1.8	Dropped - Onsite Unit
State Farm Insur Support Center Central	55390	2B	Combustion Turbine	Texas	1.8	Dropped - Onsite Unit
State Farm Insur Support Center Central	55390	3A	Combustion Turbine	Texas	1.8	Dropped - Onsite Unit
State Farm Insur Support Center Central	55390	3B	Combustion Turbine	Texas	1.8	Dropped - Onsite Unit
State Farm Insur Support Center Central	55390	4A	Combustion Turbine	Texas	1.8	Dropped - Onsite Unit
State Farm Insur Support Center Central	55390	4B	Combustion Turbine	Texas	1.8	Dropped - Onsite Unit
Smithfield Packing Wilson	56035	1	Combustion Turbine	North Carolina	1.3	Dropped - Onsite Unit
Smithfield Packing Wilson	56035	2	Combustion Turbine	North Carolina	1.3	Dropped - Onsite Unit
Stone Container Uncasville	50801	GEN1	Non-Fossil Waste	Connecticut	1.3	Dropped - Onsite Unit
Stone Container Hodge	50810	NO 4	O/G Steam	Louisiana	3	Dropped - Onsite Unit
Stone Container Hodge	50810	NO 6	O/G Steam	Louisiana	5	Dropped - Onsite Unit
Stone Container Hodge	50810	NO 7	O/G Steam	Louisiana	15.6	Dropped - Onsite Unit
Stone Container Hodge	50810	NO 8	O/G Steam	Louisiana	27.5	Dropped - Onsite Unit
Stone Container Hodge	50810	NO 9	O/G Steam	Louisiana	23.3	Dropped - Onsite Unit
Stone Container Panama City Mill	50807	GEN3	Non-Fossil Waste	Florida	4	Dropped - Onsite Unit
Stone Container Panama City Mill	50807	GEN4	Non-Fossil Waste	Florida	10	Dropped - Onsite Unit
Stone Container Panama City Mill	50807	GEN6	Biomass	Florida	21.8	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Stone Container Coshocton Mill	50811	GEN1	Biomass	Ohio	12	Dropped - Onsite Unit
Sun Trust Plaza	54845	EG-1	Combustion Turbine	Georgia	1	Dropped - Onsite Unit
Sun Trust Plaza	54845	EG-2	Combustion Turbine	Georgia	1	Dropped - Onsite Unit
Sunoco Toledo Ref Power Recovery Train	50965	GEN1	Fossil Waste	Ohio	6	Dropped - Onsite Unit
Philadelphia Refinery	52106	GEN1	Fossil Waste	Pennsylvania	5.5	Dropped - Onsite Unit
Philadelphia Refinery	52106	GEN2	Fossil Waste	Pennsylvania	6.7	Dropped - Onsite Unit
Philadelphia Refinery	52106	GEN3	Fossil Waste	Pennsylvania	7.3	Dropped - Onsite Unit
Arvah B Hopkins	688	GT1	Combustion Turbine	Florida	12	Dropped - PLANNED_RETIREMENT_YEAR <=2015
S O Purdom	689	7	O/G Steam	Florida	48	Dropped - PLANNED_RETIREMENT_YEAR <=2015
S O Purdom	689	GT1	Combustion Turbine	Florida	10	Dropped - PLANNED_RETIREMENT_YEAR <=2015
S O Purdom	689	GT2	Combustion Turbine	Florida	10	Dropped - PLANNED_RETIREMENT_YEAR <=2015
CNN Center	54323	D4_1	Combustion Turbine	Georgia	1.5	Dropped - Onsite Unit
CNN Center	54323	D4_2	Combustion Turbine	Georgia	2	Dropped - Onsite Unit
CNN Center	54323	D4_3	Combustion Turbine	Georgia	2	Dropped - Onsite Unit
CNN Center	54323	D5_1	Combustion Turbine	Georgia	2	Dropped - Onsite Unit
CNN Center	54323	D5_2	Combustion Turbine	Georgia	2	Dropped - Onsite Unit
CNN Center	54323	D5_3	Combustion Turbine	Georgia	2	Dropped - Onsite Unit
CNN Center	54323	DK2	Combustion Turbine	Georgia	1.3	Dropped - Onsite Unit
Howard F Curren Advanced Wastewater Plant	54347	1	Non-Fossil Waste	Florida	0.5	Dropped - Onsite Unit
Howard F Curren Advanced Wastewater Plant	54347	2	Non-Fossil Waste	Florida	0.5	Dropped - Onsite Unit
Howard F Curren Advanced Wastewater Plant	54347	3	Non-Fossil Waste	Florida	0.5	Dropped - Onsite Unit
Howard F Curren Advanced Wastewater Plant	54347	4	Non-Fossil Waste	Florida	0.5	Dropped - Onsite Unit
Howard F Curren Advanced Wastewater Plant	54347	5	Non-Fossil Waste	Florida	0.5	Dropped - Onsite Unit
Tesoro Alaska Petroleum	52184	GEN1	Combustion Turbine	Alaska	3.8	Dropped - Onsite Unit
Tesoro Alaska Petroleum	52184	GEN2	Combustion Turbine	Alaska	3.7	Dropped - Onsite Unit
Widows Creek	50	1	Coal Steam	Alabama	111	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Widows Creek	50	2	Coal Steam	Alabama	111	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Widows Creek	50	3	Coal Steam	Alabama	111	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Widows Creek	50	4	Coal Steam	Alabama	111	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Widows Creek	50	5	Coal Steam	Alabama	111	Dropped - PLANNED_RETIREMENT_YEAR <=2015

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Widows Creek	50	6	Coal Steam	Alabama	111	Dropped - PLANNED_RETIREMENT_YEAR <=2015
John Sevier	3405	1	Coal Steam	Tennessee	176	Dropped - PLANNED_RETIREMENT_YEAR <=2015
John Sevier	3405	2	Coal Steam	Tennessee	176	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Johnsonville	3406	10	Coal Steam	Tennessee	141	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Johnsonville	3406	5	Coal Steam	Tennessee	107	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Johnsonville	3406	6	Coal Steam	Tennessee	107	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Johnsonville	3406	7	Coal Steam	Tennessee	141	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Johnsonville	3406	8	Coal Steam	Tennessee	141	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Johnsonville	3406	9	Coal Steam	Tennessee	141	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Mandan Refinery	52133	GEN1	Fossil Waste	North Dakota	2.8	Dropped - Onsite Unit
Mandan Refinery	52133	GEN2	Fossil Waste	North Dakota	2.8	Dropped - Onsite Unit
Mandan Refinery	52133	GEN3	Fossil Waste	North Dakota	2.8	Dropped - Onsite Unit
Tesoro Hawaii	10093	GEN1	Combustion Turbine	Hawaii	20	Dropped - in Alaska or in Hawaii
Thiele Kaolin Sandersville	54841	G1	Combustion Turbine	Georgia	1.1	Dropped - Onsite Unit
Thiele Kaolin Sandersville	54841	G2	Combustion Turbine	Georgia	1.1	Dropped - Onsite Unit
Thiele Kaolin Reedy Creek	54849	G1	Combustion Turbine	Georgia	1.1	Dropped - Onsite Unit
Thiele Kaolin Reedy Creek	54849	G2	Combustion Turbine	Georgia	1.1	Dropped - Onsite Unit
Thornwood High School	55004	1	Combustion Turbine	Illinois	0.7	Dropped - Onsite Unit
Thornwood High School	55004	2	Combustion Turbine	Illinois	0.7	Dropped - Onsite Unit
Thornridge High School	55005	1	Combustion Turbine	Illinois	0.5	Dropped - Onsite Unit
Thornridge High School	55005	2	Combustion Turbine	Illinois	0.5	Dropped - Onsite Unit
Angoon	7462	1A	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Angoon	7462	2A	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Angoon	7462	3	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Hoonah	7463	1	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
Hoonah	7463	2A	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Hoonah	7463	3	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Kake	7464	1	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
Kake	7464	2	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Kake	7464	3A	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Chilkat Valley	7467	1	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
Chilkat Valley	7467	2A	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
West Group Data Center	54294	1	Combustion Turbine	Minnesota	0.6	Dropped - Onsite Unit
West Group Data Center	54294	2	Combustion Turbine	Minnesota	0.6	Dropped - Onsite Unit
West Group Data Center	54294	3	Combustion Turbine	Minnesota	0.6	Dropped - Onsite Unit
West Group Data Center	54294	4	Combustion Turbine	Minnesota	0.6	Dropped - Onsite Unit
West Group Data Center F	56247	1	Combustion Turbine	Minnesota	0.6	Dropped - Onsite Unit
West Group Data Center F	56247	2	Combustion Turbine	Minnesota	0.6	Dropped - Onsite Unit
West Group Data Center F	56247	3	Combustion Turbine	Minnesota	0.6	Dropped - Onsite Unit
West Group Data Center F	56247	4	Combustion Turbine	Minnesota	0.6	Dropped - Onsite Unit
Tuscola Station	55245	TG1	Coal Steam	Illinois	3.8	Dropped - Onsite Unit
Tuscola Station	55245	TG2	Coal Steam	Illinois	4.9	Dropped - Onsite Unit
Tuscola Station	55245	TG3	Coal Steam	Illinois	4.8	Dropped - Onsite Unit
Inner Harbor East Heating	56050	1	Combustion Turbine	Maryland	2.1	Dropped - Onsite Unit
Fort Greely Power Plant	54834	EN-4	Combustion Turbine	Alaska	1.2	Dropped - Onsite Unit
Fort Greely Power Plant	54834	EN-5	Combustion Turbine	Alaska	1.2	Dropped - Onsite Unit
Fort Greely Power Plant	54834	EN-6	Combustion Turbine	Alaska	2.5	Dropped - Onsite Unit
Fort Greely Power Plant	54834	EN-7	Combustion Turbine	Alaska	2.5	Dropped - Onsite Unit
US Gypsum Oakfield	50203	GEN1	Combustion Turbine	New York	4.9	Dropped - Onsite Unit
University of Medicine Dentistry NJ	50411	GEN1	Combustion Turbine	New Jersey	3.4	Dropped - Onsite Unit
University of Medicine Dentistry NJ	50411	GEN2	Combustion Turbine	New Jersey	3.4	Dropped - Onsite Unit
University of Medicine Dentistry NJ	50411	GEN3	Combustion Turbine	New Jersey	3.4	Dropped - Onsite Unit
Fairfield Works	50730	GEN1	Fossil Waste	Alabama	20	Dropped - Onsite Unit
Fairfield Works	50730	GEN2	Fossil Waste	Alabama	20	Dropped - Onsite Unit
Fairfield Works	50730	GEN3	Fossil Waste	Alabama	20	Dropped - Onsite Unit
Fairfield Works	50730	GEN4	Fossil Waste	Alabama	20	Dropped - Onsite Unit
Union Carbide South Charleston	50151	GEN8	Coal Steam	West Virginia	5.6	Dropped - Onsite Unit
Dutch Harbor	7502	1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Dutch Harbor	7502	10	Combustion Turbine	Alaska	4.4	Dropped - in Alaska or in Hawaii
Dutch Harbor	7502	11	Combustion Turbine	Alaska	4.4	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Dutch Harbor	7502	15	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Dutch Harbor	7502	2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Dutch Harbor	7502	3	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Dutch Harbor	7502	4	Combustion Turbine	Alaska	0.7	Dropped - in Alaska or in Hawaii
Dutch Harbor	7502	5	Combustion Turbine	Alaska	0.5	Dropped - in Alaska or in Hawaii
Dutch Harbor	7502	6	Combustion Turbine	Alaska	1.2	Dropped - in Alaska or in Hawaii
Dutch Harbor	7502	8	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Dutch Harbor	7502	9	Combustion Turbine	Alaska	1	Dropped - in Alaska or in Hawaii
Unalaska Power Module	7503	7	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
University of Alaska Fairbanks	50711	GEN1	Coal Steam	Alaska	0.5	Dropped - Onsite Unit
University of Alaska Fairbanks	50711	GEN2	Coal Steam	Alaska	0.5	Dropped - Onsite Unit
University of Alaska Fairbanks	50711	GEN3	Coal Steam	Alaska	8.1	Dropped - Onsite Unit
University of Alaska Fairbanks	50711	GEN4	Combustion Turbine	Alaska	9.6	Dropped - Onsite Unit
Clairton Works	50729	GEN1	Fossil Waste	Pennsylvania	16	Dropped - Onsite Unit
Clairton Works	50729	GEN3	Fossil Waste	Pennsylvania	6	Dropped - Onsite Unit
Mon Valley Works	50732	GEN1	Fossil Waste	Pennsylvania	28	Dropped - Onsite Unit
Mon Valley Works	50732	GEN2	Fossil Waste	Pennsylvania	28	Dropped - Onsite Unit
Mon Valley Works	50732	GEN3	Fossil Waste	Pennsylvania	1.9	Dropped - Onsite Unit
Gary Works	50733	STG1	Fossil Waste	Indiana	161	Dropped - Onsite Unit
University of Illinois Cogen Facility	54044	CT1	Combustion Turbine	Illinois	6.4	Dropped - Onsite Unit
University of Illinois Cogen Facility	54044	CT2	Combustion Turbine	Illinois	6.4	Dropped - Onsite Unit
University of Illinois Cogen Facility	54044	CT3	Combustion Turbine	Illinois	6.4	Dropped - Onsite Unit
University of Illinois Cogen Facility	54044	GEN1	Combustion Turbine	Illinois	6.3	Dropped - Onsite Unit
University of Illinois Cogen Facility	54044	GEN2	Combustion Turbine	Illinois	6.3	Dropped - Onsite Unit
University of Illinois Cogen Facility	54044	GEN3	Combustion Turbine	Illinois	3.7	Dropped - Onsite Unit
University of Illinois Cogen Facility	54044	GEN4	Combustion Turbine	Illinois	3.7	Dropped - Onsite Unit
University of Illinois Cogen Facility	54044	RE1	Combustion Turbine	Illinois	5.5	Dropped - Onsite Unit
University of Illinois Cogen Facility	54044	RE2	Combustion Turbine	Illinois	5.5	Dropped - Onsite Unit
University of Illinois Cogen Facility	54044	RE3	Combustion Turbine	Illinois	5.5	Dropped - Onsite Unit
University of Illinois Abbott Power Plt	54780	T1	O/G Steam	Illinois	3	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
University of Illinois Abbott Power Plt	54780	T10	Coal Steam	Illinois	12.5	Dropped - Onsite Unit
University of Illinois Abbott Power Plt	54780	T11	Coal Steam	Illinois	12.5	Dropped - Onsite Unit
University of Illinois Abbott Power Plt	54780	T12	Coal Steam	Illinois	7	Dropped - Onsite Unit
University of Illinois Abbott Power Plt	54780	T2	O/G Steam	Illinois	3	Dropped - Onsite Unit
University of Illinois Abbott Power Plt	54780	T3	O/G Steam	Illinois	3	Dropped - Onsite Unit
University of Illinois Abbott Power Plt	54780	T4	O/G Steam	Illinois	3	Dropped - Onsite Unit
University of Illinois Abbott Power Plt	54780	T6	Coal Steam	Illinois	7.5	Dropped - Onsite Unit
University of Illinois Abbott Power Plt	54780	T7	Coal Steam	Illinois	7.5	Dropped - Onsite Unit
University of Illinois Abbott Power Plt	54780	T8	Combustion Turbine	Illinois	13	Dropped - Onsite Unit
University of Illinois Abbott Power Plt	54780	T9	Combustion Turbine	Illinois	13	Dropped - Onsite Unit
University of Oklahoma	50307	GEN1	O/G Steam	Oklahoma	7.5	Dropped - Onsite Unit
University of Oklahoma	50307	GEN2	O/G Steam	Oklahoma	2.5	Dropped - Onsite Unit
University of Oklahoma	50307	GEN3	O/G Steam	Oklahoma	2.5	Dropped - Onsite Unit
University of Oklahoma	50307	GEN4	O/G Steam	Oklahoma	4.3	Dropped - Onsite Unit
University of Oklahoma	50307	GEN5	Combustion Turbine	Oklahoma	1.8	Dropped - Onsite Unit
Hal C Weaver Power Plant	50118	GEN10	Combined Cycle	Texas	33	Dropped - Onsite Unit
Hal C Weaver Power Plant	50118	GEN4	Combined Cycle	Texas	7.6	Dropped - Onsite Unit
Hal C Weaver Power Plant	50118	GEN5	Combined Cycle	Texas	6	Dropped - Onsite Unit
Hal C Weaver Power Plant	50118	GEN7	Combined Cycle	Texas	27.6	Dropped - Onsite Unit
Hal C Weaver Power Plant	50118	GEN8	Combined Cycle	Texas	46.5	Dropped - Onsite Unit
Hal C Weaver Power Plant	50118	GEN9	Combined Cycle	Texas	26.1	Dropped - Onsite Unit
Univ of NC Chapel Hill Cogen Facility	54276	TG3	Coal Steam	North Carolina	28.7	Dropped - Onsite Unit
Honolulu	764	H8	O/G Steam	Hawaii	48.6	Dropped - in Alaska or in Hawaii
Honolulu	764	H9	O/G Steam	Hawaii	51.7	Dropped - in Alaska or in Hawaii
Kahe	765	K1	O/G Steam	Hawaii	77.9	Dropped - in Alaska or in Hawaii
Kahe	765	K2	O/G Steam	Hawaii	78.1	Dropped - in Alaska or in Hawaii
Kahe	765	K3	O/G Steam	Hawaii	82.1	Dropped - in Alaska or in Hawaii
Kahe	765	K4	O/G Steam	Hawaii	87.2	Dropped - in Alaska or in Hawaii
Kahe	765	K5	O/G Steam	Hawaii	128.1	Dropped - in Alaska or in Hawaii
Kahe	765	K6	O/G Steam	Hawaii	128.7	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Waiau	766	W10	Combustion Turbine	Hawaii	51.2	Dropped - in Alaska or in Hawaii
Waiau	766	W3	O/G Steam	Hawaii	47.2	Dropped - in Alaska or in Hawaii
Waiau	766	W4	O/G Steam	Hawaii	47.7	Dropped - in Alaska or in Hawaii
Waiau	766	W5	O/G Steam	Hawaii	51.9	Dropped - in Alaska or in Hawaii
Waiau	766	W6	O/G Steam	Hawaii	51.8	Dropped - in Alaska or in Hawaii
Waiau	766	W7	O/G Steam	Hawaii	77.8	Dropped - in Alaska or in Hawaii
Waiau	766	W8	O/G Steam	Hawaii	77.8	Dropped - in Alaska or in Hawaii
Waiau	766	W9	Combustion Turbine	Hawaii	51.2	Dropped - in Alaska or in Hawaii
Campbell Industrial Park	56329	CIP1	Biomass	Hawaii	113	Dropped - in Alaska or in Hawaii
Unisea G 2	54422	CAT1	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Unisea G 2	54422	CAT2	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
Unisea G 2	54422	GEN1	Combustion Turbine	Alaska	2.2	Dropped - in Alaska or in Hawaii
Unisea G 2	54422	GEN2	Combustion Turbine	Alaska	2.3	Dropped - in Alaska or in Hawaii
Unisea G 2	54422	GEN3	Combustion Turbine	Alaska	2.3	Dropped - in Alaska or in Hawaii
Unisea G 2	54422	GEN4	Combustion Turbine	Alaska	2.2	Dropped - in Alaska or in Hawaii
Unisea G 2	54422	GEN5	Combustion Turbine	Alaska	2.3	Dropped - in Alaska or in Hawaii
Unisea G 2	54422	GEN6	Combustion Turbine	Alaska	2.2	Dropped - in Alaska or in Hawaii
Seldovia	6283	5	Combustion Turbine	Alaska	1.2	Dropped - in Alaska or in Hawaii
Seldovia	6283	6	Combustion Turbine	Alaska	1.2	Dropped - in Alaska or in Hawaii
Bradley Lake	7367	1	Hydro	Alaska	63	Dropped - in Alaska or in Hawaii
Bradley Lake	7367	2	Hydro	Alaska	63	Dropped - in Alaska or in Hawaii
Nikiski Co-Generation	55966	GT1	Combustion Turbine	Alaska	37.9	Dropped - in Alaska or in Hawaii
University of Washington Power Plant	54809	DG3	Combustion Turbine	Washington	2	Dropped - Onsite Unit
University of Washington Power Plant	54809	DG4	Combustion Turbine	Washington	2	Dropped - Onsite Unit
University of Washington Power Plant	54809	DG5	Combustion Turbine	Washington	2	Dropped - Onsite Unit
University of Washington Power Plant	54809	DG6	Combustion Turbine	Washington	2	Dropped - Onsite Unit
University of Washington Power Plant	54809	DG7	Combustion Turbine	Washington	2	Dropped - Onsite Unit
University of Washington Power Plant	54809	TG2	O/G Steam	Washington	1	Dropped - Onsite Unit
Valero Refinery Cogeneration Unit 1	55851	GT 1	Combustion Turbine	California	45.4	Dropped - Onsite Unit
Valero Refinery Corpus Christi East	10203	GEN1	Combustion Turbine	Texas	17	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Valero Refinery Corpus Christi East	10203	GEN2	Combustion Turbine	Texas	17	Dropped - Onsite Unit
Valero Refinery Corpus Christi West	50121	PRU	Non-Fossil Waste	Texas	12	Dropped - Onsite Unit
Valero Refinery Corpus Christi West	50121	TG1	Fossil Waste	Texas	26.6	Dropped - Onsite Unit
Valero Refinery Corpus Christi West	50121	TG2	Fossil Waste	Texas	26.6	Dropped - Onsite Unit
Paulsboro Refinery	50628	GEN1	Combined Cycle	New Jersey	20.2	Dropped - Onsite Unit
Paulsboro Refinery	50628	GEN2	Fossil Waste	New Jersey	11.7	Dropped - Onsite Unit
Paulsboro Refinery	50628	GEN3	Fossil Waste	New Jersey	11.7	Dropped - Onsite Unit
Vanderbilt University Power Plant	52048	GEN1	Coal Steam	Tennessee	6.5	Dropped - Onsite Unit
Vanderbilt University Power Plant	52048	GEN2	Coal Steam	Tennessee	4.5	Dropped - Onsite Unit
Vanderbilt University Power Plant	52048	GT1	Combustion Turbine	Tennessee	4	Dropped - Onsite Unit
Vanderbilt University Power Plant	52048	GT2	Combustion Turbine	Tennessee	4	Dropped - Onsite Unit
Valdosta Water Treatment Plant	54839	GEN1	Combustion Turbine	Georgia	1.7	Dropped - Onsite Unit
Valdosta Water Treatment Plant	54839	GEN2	Combustion Turbine	Georgia	1.7	Dropped - Onsite Unit
Warm Springs Forest Products	50426	GEN1	Biomass	Oregon	2.6	Dropped - Onsite Unit
Warm Springs Forest Products	50426	GEN2	Biomass	Oregon	2.6	Dropped - Onsite Unit
Warm Springs Forest Products	50426	GEN3	Biomass	Oregon	2.6	Dropped - Onsite Unit
Wells Manufacturing Dura Bar Division	54540	1A	Combustion Turbine	Illinois	0.9	Dropped - Onsite Unit
Wells Manufacturing Dura Bar Division	54540	1B	Combustion Turbine	Illinois	0.9	Dropped - Onsite Unit
Wells Manufacturing Dura Bar Division	54540	2A	Combustion Turbine	Illinois	0.9	Dropped - Onsite Unit
Wells Manufacturing Dura Bar Division	54540	2B	Combustion Turbine	Illinois	0.9	Dropped - Onsite Unit
Wells Manufacturing Dura Bar Division	54540	3A	Combustion Turbine	Illinois	0.9	Dropped - Onsite Unit
Wells Manufacturing Dura Bar Division	54540	3B	Combustion Turbine	Illinois	0.9	Dropped - Onsite Unit
Wellesley College Central Utility Plant	54937	1118	Combustion Turbine	Massachusetts	1.2	Dropped - Onsite Unit
Wellesley College Central Utility Plant	54937	1119	Combustion Turbine	Massachusetts	1.2	Dropped - Onsite Unit
Wellesley College Central Utility Plant	54937	1120	Combustion Turbine	Massachusetts	1.2	Dropped - Onsite Unit
Wellesley College Central Utility Plant	54937	1121	Combustion Turbine	Massachusetts	1.3	Dropped - Onsite Unit
Wellesley College Central Utility Plant	54937	8187	Combustion Turbine	Massachusetts	1.9	Dropped - Onsite Unit
Covington Facility	50900	GEN1	Coal Steam	Virginia	10.5	Dropped - Onsite Unit
Covington Facility	50900	GEN2	Coal Steam	Virginia	10.5	Dropped - Onsite Unit
Covington Facility	50900	GEN3	Coal Steam	Virginia	10.5	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Covington Facility	50900	GEN4	Coal Steam	Virginia	32.5	Dropped - Onsite Unit
Covington Facility	50900	GEN5	Coal Steam	Virginia	32.5	Dropped - Onsite Unit
Weyerhaeuser New Bern NC	50188	TG1	Non-Fossil Waste	North Carolina	29.7	Dropped - Onsite Unit
Westward Seafoods	54305	2	Combustion Turbine	Alaska	2.2	Dropped - Onsite Unit
Westward Seafoods	54305	3	Combustion Turbine	Alaska	2.2	Dropped - Onsite Unit
Westward Seafoods	54305	4	Combustion Turbine	Alaska	2.2	Dropped - Onsite Unit
Flint River Operations	50465	GEN1	Non-Fossil Waste	Georgia	42	Dropped - Onsite Unit
Weyerhaeuser Cosmopolis	50185	TG1	Biomass	Washington	8.5	Dropped - Onsite Unit
Weyerhaeuser Cosmopolis	50185	TG2	Biomass	Washington	8.5	Dropped - Onsite Unit
Weyerhaeuser Longview WA	50187	TG1	Non-Fossil Waste	Washington	4.7	Dropped - Onsite Unit
Weyerhaeuser Longview WA	50187	TG2	Non-Fossil Waste	Washington	4.7	Dropped - Onsite Unit
Weyerhaeuser Longview WA	50187	TG4	Non-Fossil Waste	Washington	18	Dropped - Onsite Unit
Weyerhaeuser Longview WA	50187	TG5	Biomass	Washington	29.2	Dropped - Onsite Unit
Suwannee River Chemical Complex	50473	SRC	Non-Fossil Waste	Florida	27.3	Dropped - Onsite Unit
Swift Creek Chemical Complex	50474	SCC	Non-Fossil Waste	Florida	15.9	Dropped - Onsite Unit
William Beaumont Hospital	50937	GENA	Combustion Turbine	Michigan	1.9	Dropped - Onsite Unit
William Beaumont Hospital	50937	GENB	Combustion Turbine	Michigan	1.9	Dropped - Onsite Unit
University of Texas at San Antonio	54606	GEN1	Combustion Turbine	Texas	3.3	Dropped - Onsite Unit
Wrangell	95	11	Combustion Turbine	Alaska	2	Dropped - in Alaska or in Hawaii
Wrangell	95	12	Combustion Turbine	Alaska	2	Dropped - in Alaska or in Hawaii
Wrangell	95	13	Combustion Turbine	Alaska	2	Dropped - in Alaska or in Hawaii
Wrangell	95	9	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
YKK USA Chestney	54566	BWP1	Combustion Turbine	Georgia	0.5	Dropped - Onsite Unit
YKK USA Chestney	54566	GEN1	Combustion Turbine	Georgia	1.5	Dropped - Onsite Unit
YKK USA Chestney	54566	GEN2	Combustion Turbine	Georgia	1.5	Dropped - Onsite Unit
YKK USA Chestney	54566	GEN3	Combustion Turbine	Georgia	1.7	Dropped - Onsite Unit
YKK USA Chestney	54566	SLD1	Combustion Turbine	Georgia	0.5	Dropped - Onsite Unit
University of Northern Iowa	50088	GEN1	Coal Steam	Iowa	7.5	Dropped - Onsite Unit
191 Peachtree Tower	54818	GEN1	Combustion Turbine	Georgia	1.2	Dropped - Onsite Unit
191 Peachtree Tower	54818	GEN2	Combustion Turbine	Georgia	1.2	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
University of Tennessee Steam Plant	55036	GEN1	Combustion Turbine	Tennessee	3.7	Dropped - Onsite Unit
Pratt & Whitney	54605	FT-8	Combustion Turbine	Connecticut	27	Dropped - Onsite Unit
University of Texas at Dallas	54607	GEN1	Combustion Turbine	Texas	3.5	Dropped - Onsite Unit
Mooseheart Power House	50337	GEN1	Combustion Turbine	Illinois	0.5	Dropped - Onsite Unit
Mooseheart Power House	50337	GEN2	Combustion Turbine	Illinois	0.5	Dropped - Onsite Unit
Mooseheart Power House	50337	GEN3	Combustion Turbine	Illinois	0.3	Dropped - Onsite Unit
Mooseheart Power House	50337	GEN4	Combustion Turbine	Illinois	0.5	Dropped - Onsite Unit
Ford Utilities Center	50906	3	Combustion Turbine	New Mexico	6	Dropped - Onsite Unit
New Mexico State University	54975	1	Combustion Turbine	New Mexico	4.5	Dropped - Onsite Unit
Southwestern Bell Telephone	54858	E/G1	Combustion Turbine	Missouri	2	Dropped - Onsite Unit
Southwestern Bell Telephone	54858	E/G2	Combustion Turbine	Missouri	2	Dropped - Onsite Unit
Southwestern Bell Telephone	54858	E/G3	Combustion Turbine	Missouri	2	Dropped - Onsite Unit
Southwestern Bell Telephone	54858	E/G4	Combustion Turbine	Missouri	2.8	Dropped - Onsite Unit
Southwestern Bell Telephone	54858	E/G5	Combustion Turbine	Missouri	2.8	Dropped - Onsite Unit
Grimes Way	56016	1	Combustion Turbine	Washington	1	Dropped - Onsite Unit
Grimes Way	56016	2	Combustion Turbine	Washington	1	Dropped - Onsite Unit
Grimes Way	56016	3	Combustion Turbine	Washington	1.7	Dropped - Onsite Unit
Oxnard Wastewater Treatment Plant	50224	7610	Non-Fossil Waste	California	0.4	Dropped - Onsite Unit
Oxnard Wastewater Treatment Plant	50224	7710	Non-Fossil Waste	California	0.4	Dropped - Onsite Unit
Oxnard Wastewater Treatment Plant	50224	7810	Non-Fossil Waste	California	0.4	Dropped - Onsite Unit
Riverside Manufacturing	54856	1753	Combustion Turbine	Georgia	0.9	Dropped - Onsite Unit
Univ of Calif Santa Cruz Cogeneration	50064	1	Combustion Turbine	California	2.6	Dropped - Onsite Unit
Southwest Texas State University	50263	GEN1	Combustion Turbine	Texas	6	Dropped - Onsite Unit
PCS Phosphate	50509	GEN1	Non-Fossil Waste	North Carolina	50	Dropped - Onsite Unit
Eielson AFB Central Heat & Power Plant	50392	DG01	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Eielson AFB Central Heat & Power Plant	50392	DG02	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Eielson AFB Central Heat & Power Plant	50392	DG03	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Eielson AFB Central Heat & Power Plant	50392	DG04	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Eielson AFB Central Heat & Power Plant	50392	DG1	Combustion Turbine	Alaska	1.8	Dropped - in Alaska or in Hawaii
Eielson AFB Central Heat & Power Plant	50392	TG1	Coal Steam	Alaska	0.5	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Eielson AFB Central Heat & Power Plant	50392	TG2	Coal Steam	Alaska	0.5	Dropped - in Alaska or in Hawaii
Eielson AFB Central Heat & Power Plant	50392	TG3	Coal Steam	Alaska	5	Dropped - in Alaska or in Hawaii
Eielson AFB Central Heat & Power Plant	50392	TG4	Coal Steam	Alaska	5	Dropped - in Alaska or in Hawaii
Eielson AFB Central Heat & Power Plant	50392	TG5	Coal Steam	Alaska	9	Dropped - in Alaska or in Hawaii
Radford Army Ammunition Plant	52072	GEN1	Coal Steam	Virginia	5.6	Dropped - Onsite Unit
Radford Army Ammunition Plant	52072	GEN2	Coal Steam	Virginia	5.6	Dropped - Onsite Unit
Radford Army Ammunition Plant	52072	GEN3	Coal Steam	Virginia	5.6	Dropped - Onsite Unit
Radford Army Ammunition Plant	52072	GEN4	Coal Steam	Virginia	5.6	Dropped - Onsite Unit
Point Comfort Operations	52069	GEN1	O/G Steam	Texas	14.9	Dropped - Onsite Unit
Point Comfort Operations	52069	GEN2	O/G Steam	Texas	14.9	Dropped - Onsite Unit
Point Comfort Operations	52069	GEN3	O/G Steam	Texas	14.9	Dropped - Onsite Unit
Point Comfort Operations	52069	GEN4	O/G Steam	Texas	14	Dropped - Onsite Unit
SDS Lumber Gorge Energy Division	50231	TG2	Biomass	Washington	5	Dropped - Onsite Unit
SDS Lumber Gorge Energy Division	50231	TG3	Biomass	Washington	4.7	Dropped - Onsite Unit
Weir Cogen Plant	50848	GT1	Combustion Turbine	California	3.2	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Phelps Dodge Cobre Mining	55312	1	Combustion Turbine	New Mexico	0.8	Dropped - Onsite Unit
Phelps Dodge Cobre Mining	55312	2	Combustion Turbine	New Mexico	0.8	Dropped - Onsite Unit
Phelps Dodge Cobre Mining	55312	3	Combustion Turbine	New Mexico	0.8	Dropped - Onsite Unit
Inland Paperboard Packaging Rome	10426	GEN2	Non-Fossil Waste	Georgia	5	Dropped - Onsite Unit
Inland Paperboard Packaging Rome	10426	GEN3	Non-Fossil Waste	Georgia	5	Dropped - Onsite Unit
Inland Paperboard Packaging Rome	10426	GEN4	Non-Fossil Waste	Georgia	20	Dropped - Onsite Unit
Inland Paperboard Packaging Rome	10426	GEN5	Non-Fossil Waste	Georgia	31	Dropped - Onsite Unit
Canton North Carolina	50244	GEN8	Coal Steam	North Carolina	7.5	Dropped - Onsite Unit
Canton North Carolina	50244	GEN9	Coal Steam	North Carolina	7.5	Dropped - Onsite Unit
Canton North Carolina	50244	GN10	Coal Steam	North Carolina	7.5	Dropped - Onsite Unit
Canton North Carolina	50244	GN11	Coal Steam	North Carolina	7.5	Dropped - Onsite Unit
Canton North Carolina	50244	GN12	Coal Steam	North Carolina	10	Dropped - Onsite Unit
Canton North Carolina	50244	GN13	Coal Steam	North Carolina	12.5	Dropped - Onsite Unit
Bowater Newsprint Calhoun Operation	50956	GEN1	Non-Fossil Waste	Tennessee	19	Dropped - Onsite Unit
Bowater Newsprint Calhoun Operation	50956	GEN2	Non-Fossil Waste	Tennessee	20	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Bowater Newsprint Calhoun Operation	50956	GEN3	Non-Fossil Waste	Tennessee	27	Dropped - Onsite Unit
Univ of Massachusetts Medical Center	50087	GEN1	O/G Steam	Massachusetts	1.5	Dropped - Onsite Unit
Univ of Massachusetts Medical Center	50087	GEN2	O/G Steam	Massachusetts	1.5	Dropped - Onsite Unit
Univ of Massachusetts Medical Center	50087	GEN3	O/G Steam	Massachusetts	3	Dropped - Onsite Unit
Univ of San Francisco Cogen	50089	S-17	Combustion Turbine	California	1.4	Dropped - Onsite Unit
Sinclair Oil Refinery	54374	NO1	O/G Steam	Wyoming	0.4	Dropped - Onsite Unit
Sinclair Oil Refinery	54374	NO2	O/G Steam	Wyoming	0.4	Dropped - Onsite Unit
Sinclair Oil Refinery	54374	NO3	O/G Steam	Wyoming	1.3	Dropped - Onsite Unit
Sinclair Oil Refinery	54374	NO5	Combustion Turbine	Wyoming	1.1	Dropped - Onsite Unit
Amalgamated Sugar LLC Nampa	54690	2250	Coal Steam	Idaho	2.2	Dropped - Onsite Unit
Amalgamated Sugar LLC Nampa	54690	500	Coal Steam	Idaho	0.5	Dropped - Onsite Unit
Amalgamated Sugar LLC Nampa	54690	6500	Coal Steam	Idaho	6	Dropped - Onsite Unit
Menominee Acquisition	52017	ST1	Coal Steam	Michigan	1.5	Dropped - Onsite Unit
Menominee Acquisition	52017	ST2	Coal Steam	Michigan	2.5	Dropped - Onsite Unit
Aera San Ardo Cogen Facility	55184	UN-A	Combustion Turbine	California	2.8	Dropped - Onsite Unit
Aera San Ardo Cogen Facility	55184	UN-B	Combustion Turbine	California	2.8	Dropped - Onsite Unit
Kraft Foods Atlantic Gelatin	50425	GEN1	O/G Steam	Massachusetts	2.5	Dropped - Onsite Unit
Kraft Foods Atlantic Gelatin	50425	GEN2	O/G Steam	Massachusetts	0.3	Dropped - Onsite Unit
Kraft Foods Atlantic Gelatin	50425	GEN3	Combustion Turbine	Massachusetts	0.3	Dropped - Onsite Unit
CFI Plant City Phosphate Complex	50371	MI34	Non-Fossil Waste	Florida	27.9	Dropped - Onsite Unit
NSB Atquasuk Utility	7482	NA1	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
NSB Atquasuk Utility	7482	NA2	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
NSB Atquasuk Utility	7482	NA3	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
NSB Atquasuk Utility	7482	PG2	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
NSB Atquasuk Utility	7482	PG3	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
NSB Kaktovik Utility	7483	PG1A	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
NSB Kaktovik Utility	7483	PG2A	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
NSB Kaktovik Utility	7483	PG3A	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
NSB Kaktovik Utility	7483	PG4A	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
NSB Nuiqsut Utility	7484	PG1A	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
NSB Nuiqsut Utility	7484	PG2A	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
NSB Nuiqsut Utility	7484	PG3A	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
NSB Nuiqsut Utility	7484	PG4A	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
NSB Nuiqsut Utility	7484	PG5A	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
NSB Nuiqsut Utility	7484	PG6A	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
NSB Point Hope Utility	7485	PG1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
NSB Point Hope Utility	7485	PG2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
NSB Point Hope Utility	7485	PG6	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
NSB Point Hope Utility	7485	PG7	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
NSB Point Hope Utility	7485	PG8	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
NSB Point Lay Utility	7486	PG1A	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
NSB Point Lay Utility	7486	PG2A	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
NSB Point Lay Utility	7486	PG3A	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
NSB Point Lay Utility	7486	PG4A	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
NSB Point Lay Utility	7486	PG5	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
NSB Point Lay Utility	7486	PG6	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
NSB Anaktuvuk Pass	7487	1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
NSB Anaktuvuk Pass	7487	2	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
NSB Anaktuvuk Pass	7487	3	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
NSB Anaktuvuk Pass	7487	4	Combustion Turbine	Alaska	0.1	Dropped - in Alaska or in Hawaii
NSB Anaktuvuk Pass	7487	6	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
NSB Anaktuvuk Pass	7487	7	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
NSB Wainwright Utility	7488	PG1	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
NSB Wainwright Utility	7488	PG2	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
NSB Wainwright Utility	7488	PG3	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
NSB Wainwright Utility	7488	PG4A	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
NSB Wainwright Utility	7488	PG5	Combustion Turbine	Alaska	0.9	Dropped - in Alaska or in Hawaii
Port Townsend Paper	50544	GEN4	Non-Fossil Waste	Washington	3	Dropped - Onsite Unit
Port Townsend Paper	50544	GEN6	Non-Fossil Waste	Washington	7.5	Dropped - Onsite Unit
Port Townsend Paper	50544	HDRO	Hydro	Washington	0.3	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Imperial Savannah LP	50146	GENA	Coal Steam	Georgia	2.7	Dropped - Onsite Unit
Imperial Savannah LP	50146	GENB	Coal Steam	Georgia	3	Dropped - Onsite Unit
Imperial Savannah LP	50146	GENC	Coal Steam	Georgia	1	Dropped - Onsite Unit
Imperial Savannah LP	50146	GEND	Coal Steam	Georgia	4.5	Dropped - Onsite Unit
Providence Memorial Hospital	50241	9541	Combustion Turbine	Texas	2.1	Dropped - Onsite Unit
Providence Memorial Hospital	50241	9542	Combustion Turbine	Texas	2.1	Dropped - Onsite Unit
Stone Container Seminole Mill	50803	GEN3	O/G Steam	Florida	13	Dropped - Onsite Unit
Pelican	6702	HC1	Hydro	Alaska	0.5	Dropped - in Alaska or in Hawaii
Pelican	6702	HC2	Hydro	Alaska	0.1	Dropped - in Alaska or in Hawaii
Pelican	6702	IC1	Combustion Turbine	Alaska	0.3	Dropped - in Alaska or in Hawaii
Pelican	6702	IC2	Combustion Turbine	Alaska	0.1	Dropped - in Alaska or in Hawaii
Pelican	6702	IC3	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Pelican	6702	IC4	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Pelican	6702	IC5	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Pelican	6702	IC6	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Pelican	6702	IC7	Combustion Turbine	Alaska	0.4	Dropped - in Alaska or in Hawaii
Pelican	6702	IC8	Combustion Turbine	Alaska	0.2	Dropped - in Alaska or in Hawaii
Davenport Water Pollution Control Plant	55035	GEN1	Non-Fossil Waste	Iowa	0.8	Dropped - Onsite Unit
Davenport Water Pollution Control Plant	55035	GEN2	Non-Fossil Waste	Iowa	0.8	Dropped - Onsite Unit
ITT Cogen Facility	52021	GEN1	Combustion Turbine	Illinois	3.5	Dropped - Onsite Unit
ITT Cogen Facility	52021	GEN2	Combustion Turbine	Illinois	3.5	Dropped - Onsite Unit
Wasatch Energy Systems Energy Recovery	55302	1	Municipal Solid Waste	Utah	1.4	Dropped - Onsite Unit
Enterprise Products Operating	10261	GEN1	Combustion Turbine	Texas	4.8	Dropped - Onsite Unit
Enterprise Products Operating	10261	GEN2	Combustion Turbine	Texas		Dropped - Onsite Unit
Enterprise Products Operating	10261	GEN3	Combustion Turbine	Texas	8.7	Dropped - Onsite Unit
Enterprise Products Operating	10261	GEN4	Combustion Turbine	Texas		Dropped - Onsite Unit
Enterprise Products Operating	10261	GEN5	Combustion Turbine	Texas		Dropped - Onsite Unit
Enterprise Products Operating	10261	GEN6	Combustion Turbine	Texas	8.7	Dropped - Onsite Unit
Enterprise Products Operating	10261	GEN7	Combustion Turbine	Texas		Dropped - Onsite Unit
Enterprise Products Operating	10261	GEN8	Combustion Turbine	Texas		Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Toca Plant	54705	EG-1	Combustion Turbine	Louisiana	0.8	Dropped - Onsite Unit
Toca Plant	54705	EG-3	Combustion Turbine	Louisiana	0.8	Dropped - Onsite Unit
Toca Plant	54705	EG-4	Combustion Turbine	Louisiana	0.7	Dropped - Onsite Unit
Toca Plant	54705	EG2A	Combustion Turbine	Louisiana	0.5	Dropped - Onsite Unit
Neptune Gas Processing Plant	56139	NPCG	Combustion Turbine	Louisiana	3.1	Dropped - Onsite Unit
International Paper Savanna Mill	50398	GE10	Non-Fossil Waste	Georgia	82.7	Dropped - Onsite Unit
International Paper Savanna Mill	50398	GEN9	Coal Steam	Georgia	71.2	Dropped - Onsite Unit
Rock-Tenn	54513	E-1	Combustion Turbine	Illinois	0.7	Dropped - Onsite Unit
Rock-Tenn	54513	E2-A	Combustion Turbine	Illinois	0.7	Dropped - Onsite Unit
Rock-Tenn	54513	E2-B	Combustion Turbine	Illinois	0.7	Dropped - Onsite Unit
Rock-Tenn	54513	E3	Combustion Turbine	Illinois	0.8	Dropped - Onsite Unit
Rolls Royce	54286	63F5	Combustion Turbine	Indiana	2.1	Dropped - Onsite Unit
Rolls Royce	54286	N8OT	Landfill Gas	Indiana	4	Dropped - Onsite Unit
Yakutat	6637	2B	Combustion Turbine	Alaska	0.8	Dropped - in Alaska or in Hawaii
Yakutat	6637	3A	Combustion Turbine	Alaska	0.6	Dropped - in Alaska or in Hawaii
Yakutat	6637	4A	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Yakutat	6637	6	Combustion Turbine	Alaska	1.2	Dropped - in Alaska or in Hawaii
Lee Creek Water Treatment Facility	54283	209	Hydro	Arkansas	1.3	Dropped - Onsite Unit
Cellu Tissue Natural Dam	54878	1	Hydro	New York	0.4	Dropped - Onsite Unit
Cellu Tissue Natural Dam	54878	2	Hydro	New York	0.3	Dropped - Onsite Unit
Cellu Tissue Natural Dam	54878	3	Hydro	New York	0.3	Dropped - Onsite Unit
Opryland USA	55037	GTO1	Combustion Turbine	Tennessee	3.1	Dropped - Onsite Unit
MU Combined Heat and Power Plant	50969	DGT1	Combustion Turbine	Missouri	2	Dropped - Onsite Unit
MU Combined Heat and Power Plant	50969	GEN1	Coal Steam	Missouri	6	Dropped - Onsite Unit
MU Combined Heat and Power Plant	50969	GEN2	Coal Steam	Missouri	12.2	Dropped - Onsite Unit
MU Combined Heat and Power Plant	50969	GEN3	Coal Steam	Missouri	19.2	Dropped - Onsite Unit
MU Combined Heat and Power Plant	50969	GEN4	Coal Steam	Missouri	13.3	Dropped - Onsite Unit
MU Combined Heat and Power Plant	50969	GEN6	Combustion Turbine	Missouri	0.5	Dropped - Onsite Unit
MU Combined Heat and Power Plant	50969	GEN7	Combustion Turbine	Missouri	1	Dropped - Onsite Unit
MU Combined Heat and Power Plant	50969	NTG1	Combustion Turbine	Missouri	11.4	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
MU Combined Heat and Power Plant	50969	NTG2	Combustion Turbine	Missouri	11.4	Dropped - Onsite Unit
Bridgeport Gas Processing Plant	55053	2723	Combustion Turbine	Texas	0.8	Dropped - Onsite Unit
Bridgeport Gas Processing Plant	55053	654	Combustion Turbine	Texas	0.8	Dropped - Onsite Unit
Bridgeport Gas Processing Plant	55053	655	Combustion Turbine	Texas	0.8	Dropped - Onsite Unit
Bridgeport Gas Processing Plant	55053	656	Combustion Turbine	Texas	0.8	Dropped - Onsite Unit
Bridgeport Gas Processing Plant	55053	657	Combustion Turbine	Texas	0.8	Dropped - Onsite Unit
Bridgeport Gas Processing Plant	55053	658	Combustion Turbine	Texas	0.8	Dropped - Onsite Unit
Bridgeport Gas Processing Plant	55053	666	Combustion Turbine	Texas	0.8	Dropped - Onsite Unit
Bridgeport Gas Processing Plant	55053	667	Combustion Turbine	Texas	0.8	Dropped - Onsite Unit
Bridgeport Gas Processing Plant	55053	671	Combustion Turbine	Texas	0.8	Dropped - Onsite Unit
Inforum	54290	BUG1	Combustion Turbine	Georgia	1.3	Dropped - Onsite Unit
Athens Regional Medical Center	55319	CT1	Combustion Turbine	Georgia	0.7	Dropped - Onsite Unit
Athens Regional Medical Center	55319	CT3	Combustion Turbine	Georgia	0.7	Dropped - Onsite Unit
Athens Regional Medical Center	55319	STEG3	Combustion Turbine	Georgia	0.8	Dropped - Onsite Unit
Athens Regional Medical Center	55319	STEG4	Combustion Turbine	Georgia	0.8	Dropped - Onsite Unit
Athens Regional Medical Center	55319	STEG5	Combustion Turbine	Georgia	0.8	Dropped - Onsite Unit
Athens Regional Medical Center	55319	STEG6	Combustion Turbine	Georgia	0.8	Dropped - Onsite Unit
Los Angeles Refinery Wilmington	54451	G1	Combustion Turbine	California	6	Dropped - Onsite Unit
Los Angeles Refinery Wilmington	54451	G2	Fossil Waste	California	45	Dropped - Onsite Unit
Texas City Plant Union Carbide	50153	GTG	Combustion Turbine	Texas	32	Dropped - Onsite Unit
Texas City Plant Union Carbide	50153	STG	Non-Fossil Waste	Texas	38	Dropped - Onsite Unit
Saint Johns Health Center	50610	1	Combustion Turbine	California	1	Dropped - Onsite Unit
Indian Orchard Plant 1	10417	TG	Coal Steam	Massachusetts	3.2	Dropped - Onsite Unit
Orca	789	3	Combustion Turbine	Alaska	2.5	Dropped - in Alaska or in Hawaii
Orca	789	4	Combustion Turbine	Alaska	2.4	Dropped - in Alaska or in Hawaii
Orca	789	5	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Orca	789	6	Combustion Turbine	Alaska	1.1	Dropped - in Alaska or in Hawaii
Orca	789	7	Combustion Turbine	Alaska	3.6	Dropped - in Alaska or in Hawaii
Humpback Creek	7042	1	Hydro	Alaska	0.4	Dropped - in Alaska or in Hawaii
Humpback Creek	7042	2	Hydro	Alaska	0.4	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Humpback Creek	7042	3	Hydro	Alaska	0.2	Dropped - in Alaska or in Hawaii
Power Creek	7862	4	Hydro	Alaska	2.8	Dropped - in Alaska or in Hawaii
Power Creek	7862	5	Hydro	Alaska	2.8	Dropped - in Alaska or in Hawaii
LaFarge Alpena	50305	GE10	Coal Steam	Michigan	3.2	Dropped - Onsite Unit
LaFarge Alpena	50305	GEN6	Coal Steam	Michigan	12	Dropped - Onsite Unit
LaFarge Alpena	50305	GEN7	Coal Steam	Michigan	10	Dropped - Onsite Unit
LaFarge Alpena	50305	GEN8	Coal Steam	Michigan	11	Dropped - Onsite Unit
LaFarge Alpena	50305	GEN9	Coal Steam	Michigan	11	Dropped - Onsite Unit
Whiting Refinery	52130	15TG	Fossil Waste	Indiana	5	Dropped - Onsite Unit
Whiting Refinery	52130	31TG	Fossil Waste	Indiana	11.2	Dropped - Onsite Unit
Whiting Refinery	52130	32TG	Fossil Waste	Indiana	11.2	Dropped - Onsite Unit
Whiting Refinery	52130	33TG	Fossil Waste	Indiana	16.4	Dropped - Onsite Unit
Whiting Refinery	52130	34TG	Fossil Waste	Indiana	11.8	Dropped - Onsite Unit
Whiting Refinery	52130	35TG	Fossil Waste	Indiana	38	Dropped - Onsite Unit
Richmond Refinery TG800	52105	GEN5	Fossil Waste	California	30.4	Dropped - Onsite Unit
Richmond Cogen	52109	GEN1	Combustion Turbine	California	50	Dropped - Onsite Unit
Richmond Cogen	52109	GEN2	Combustion Turbine	California	50	Dropped - Onsite Unit
HGST San Jose Standby Generator	50024	50MW	Combustion Turbine	California	42	Dropped - Onsite Unit
Millinocket Mill	55829	M1S1	O/G Steam	Maine	14.5	Dropped - Onsite Unit
Millinocket Mill	55829	M1S2	O/G Steam	Maine	14.5	Dropped - Onsite Unit
Millinocket Mill	55829	M1S3	O/G Steam	Maine	29.3	Dropped - Onsite Unit
Millinocket Mill	55829	M1S4	O/G Steam	Maine	21.8	Dropped - Onsite Unit
East Millinocket Mill	55830	M2S1	Biomass	Maine	14.5	Dropped - Onsite Unit
East Millinocket Mill	55830	M2S2	Biomass	Maine	14.5	Dropped - Onsite Unit
East Millinocket Mill	55830	M2S3	Biomass	Maine	28.1	Dropped - Onsite Unit
Harford Waste to Energy Facility	54935	1	Municipal Solid Waste	Maryland	1.1	Dropped - Onsite Unit
Yates Gas Plant	55025	GEN1	Combustion Turbine	Texas	2.8	Dropped - Onsite Unit
Yates Gas Plant	55025	GEN2	Combustion Turbine	Texas	2.8	Dropped - Onsite Unit
Cadbury Adams - Rockford	54933	GEN1	Combustion Turbine	Illinois	5	Dropped - Onsite Unit
Rhinelander Mill	50933	GEN3	O/G Steam	Wisconsin	0.6	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Rhinelander Mill	50933	GEN5	O/G Steam	Wisconsin	4	Dropped - Onsite Unit
Rhinelander Mill	50933	GEN6	Coal Steam	Wisconsin	6.3	Dropped - Onsite Unit
Rhinelander Mill	50933	HYD1	Hydro	Wisconsin	0.5	Dropped - Onsite Unit
Rhinelander Mill	50933	HYD2	Hydro	Wisconsin	0.5	Dropped - Onsite Unit
Rhinelander Mill	50933	HYD3	Hydro	Wisconsin	1	Dropped - Onsite Unit
Columbia Flooring Melbourne	56182	Kato	Biomass	Arkansas	1.7	Dropped - Onsite Unit
Colville Indian Plywood & Veneer	56191	Gen1	Biomass	Washington	5	Dropped - Onsite Unit
Colville Indian Plywood & Veneer	56191	Gen2	Biomass	Washington	7.5	Dropped - Onsite Unit
Georgia Pacific Wauna Mill	56192	1	Non-Fossil Waste	Oregon	22	Dropped - Onsite Unit
H Power	10334	GEN1	Municipal Solid Waste	Hawaii	60	Dropped - in Alaska or in Hawaii
American Eagle Paper Mills	50284	TG3	Coal Steam	Pennsylvania	2.5	Dropped - Onsite Unit
American Eagle Paper Mills	50284	TG4	Coal Steam	Pennsylvania	4.5	Dropped - Onsite Unit
American Eagle Paper Mills	50284	TG5	Coal Steam	Pennsylvania	3	Dropped - Onsite Unit
American Eagle Paper Mills	50284	TG6	Coal Steam	Pennsylvania	7	Dropped - Onsite Unit
Decorative Panels Intl	10149	GEN1	Coal Steam	Michigan	6.8	Dropped - Onsite Unit
Lincoln Paper & Tissue	54587	TG-3	Non-Fossil Waste	Maine	9	Dropped - Onsite Unit
Lincoln Paper & Tissue	54587	WEST	Non-Fossil Waste	Maine	3.5	Dropped - Onsite Unit
Veolia Energy-OKC	56246	EMG1	Combustion Turbine	Oklahoma	0.3	Dropped - Onsite Unit
Veolia Energy-OKC	56246	EMG3	Combustion Turbine	Oklahoma	0.3	Dropped - Onsite Unit
Brunswick Cellulose	10605	GEN3	Non-Fossil Waste	Georgia	9.2	Dropped - Onsite Unit
Brunswick Cellulose	10605	GEN4	Non-Fossil Waste	Georgia	50	Dropped - Onsite Unit
Brunswick Cellulose	10605	GEN5	Non-Fossil Waste	Georgia	13	Dropped - Onsite Unit
Camden South Carolina	10795	GEN1	Coal Steam	South Carolina	5.5	Dropped - Onsite Unit
Camden South Carolina	10795	GEN2	Coal Steam	South Carolina	5.5	Dropped - Onsite Unit
Camden South Carolina	10795	GEN3	Coal Steam	South Carolina	17.5	Dropped - Onsite Unit
Salem Harbor	1626	1	Coal Steam	Massachusetts	79.7	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Salem Harbor	1626	2	Coal Steam	Massachusetts	78	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Salem Harbor	1626	3	Coal Steam	Massachusetts	149.8	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Salem Harbor	1626	4	O/G Steam	Massachusetts	436.8	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Neenah Paper Munising Mill	54867	M387	Coal Steam	Michigan	5.8	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
PPG Natrium Plant	50491	GEN3	Coal Steam	West Virginia	7.5	Dropped - Onsite Unit
PPG Natrium Plant	50491	GEN4	Coal Steam	West Virginia	7.5	Dropped - Onsite Unit
PPG Natrium Plant	50491	GEN6	Coal Steam	West Virginia	26	Dropped - Onsite Unit
PPG Natrium Plant	50491	GEN7	Coal Steam	West Virginia	82	Dropped - Onsite Unit
PPG Industries Works 14	54360	PORT	Combustion Turbine	Illinois	0.7	Dropped - Onsite Unit
PPG Industries Works 14	54360	TK1	Combustion Turbine	Illinois	2	Dropped - Onsite Unit
PPG Industries Works 14	54360	TK2	Combustion Turbine	Illinois	2	Dropped - Onsite Unit
PPG Industries Shelby NC Works	54363	GEN2	Combustion Turbine	North Carolina	0.6	Dropped - Onsite Unit
PPG Industries Shelby NC Works	54363	GEN3	Combustion Turbine	North Carolina	0.6	Dropped - Onsite Unit
PPG Industries Shelby NC Works	54363	GEN4	Combustion Turbine	North Carolina	0.8	Dropped - Onsite Unit
PPG Industries Shelby NC Works	54363	GEN5	Combustion Turbine	North Carolina	0.8	Dropped - Onsite Unit
PPG Industries Works 4	54364	L1G	Combustion Turbine	Texas	2	Dropped - Onsite Unit
PPG Industries Works 4	54364	L1PG	Combustion Turbine	Texas	0.9	Dropped - Onsite Unit
PPG Industries Works 4	54364	L2G	Combustion Turbine	Texas	2	Dropped - Onsite Unit
PPG Industries Works 4	54364	L2PG	Combustion Turbine	Texas	1.1	Dropped - Onsite Unit
Santa Maria EPG	56284	EPG	Fossil Waste	California	5.5	Dropped - Onsite Unit
Medford Operation	56193	1	Biomass	Oregon	3.1	Dropped - Onsite Unit
Medford Operation	56193	2	Biomass	Oregon	4.4	Dropped - Onsite Unit
Bayway Refinery	56294	FGX	Non-Fossil Waste	New Jersey	11.2	Dropped - Onsite Unit
Luke Mill	50282	GEN1	Coal Steam	Maryland	32	Dropped - Onsite Unit
Luke Mill	50282	GEN2	Coal Steam	Maryland	28	Dropped - Onsite Unit
Rock-Tenn Mill	54763	2TG	Non-Fossil Waste	Alabama	8.6	Dropped - Onsite Unit
Rock-Tenn Mill	54763	3TG	Non-Fossil Waste	Alabama	16	Dropped - Onsite Unit
Sunoco Eagle Point Refinery	55113	TR1	Fossil Waste	New Jersey	7	Dropped - Onsite Unit
Sunoco Eagle Point Refinery	55113	TR2	Fossil Waste	New Jersey	7	Dropped - Onsite Unit
Sunoco Eagle Point Refinery	55113	TR3	Fossil Waste	New Jersey	7	Dropped - Onsite Unit
Dekalb Medical Center	54830	3	Combustion Turbine	Georgia	1.2	Dropped - Onsite Unit
Dekalb Medical Center	54830	90	Combustion Turbine	Georgia	1.2	Dropped - Onsite Unit
Dekalb Medical Center	54830	93	Combustion Turbine	Georgia	1.2	Dropped - Onsite Unit
DeKalb Medical Center-Hillandale	56231	1	Combustion Turbine	Georgia	0.7	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
DeKalb Medical Center-Hillandale	56231	2	Combustion Turbine	Georgia	0.7	Dropped - Onsite Unit
Jameson Gas Processing Plant	55052	620	Combustion Turbine	Texas	0.3	Dropped - Onsite Unit
Jameson Gas Processing Plant	55052	621	Combustion Turbine	Texas	0.3	Dropped - Onsite Unit
Jameson Gas Processing Plant	55052	622	Combustion Turbine	Texas	0.5	Dropped - Onsite Unit
Terra Mississippi Nitrogen	10195	EXIS	Combustion Turbine	Mississippi	21.3	Dropped - Onsite Unit
Georgia Pacific Palatka Operations	10611	GEN2	O/G Steam	Florida	7	Dropped - Onsite Unit
Georgia Pacific Palatka Operations	10611	GEN4	Non-Fossil Waste	Florida	44.6	Dropped - Onsite Unit
Georgia Pacific Palatka Operations	10611	GEN8	Non-Fossil Waste	Florida	25.1	Dropped - Onsite Unit
Georgia Pacific Port Hudson	10612	GEN1	Non-Fossil Waste	Louisiana	67.7	Dropped - Onsite Unit
Georgia Pacific Port Hudson	10612	GEN2	Coal Steam	Louisiana	60	Dropped - Onsite Unit
Valero Energy Port Arthur Refinery	52108	GEN1	Combined Cycle	Texas	14	Dropped - Onsite Unit
Valero Energy Port Arthur Refinery	52108	GEN2	Combined Cycle	Texas	12	Dropped - Onsite Unit
Valero Energy Port Arthur Refinery	52108	GEN4	Combined Cycle	Texas	10	Dropped - Onsite Unit
Valero Energy Port Arthur Refinery	52108	GEN5	Combined Cycle	Texas	10	Dropped - Onsite Unit
Valero Energy Port Arthur Refinery	52108	GEN6	Combined Cycle	Texas	10	Dropped - Onsite Unit
Valero Energy Port Arthur Refinery	52108	GEN7	Combined Cycle	Texas	10	Dropped - Onsite Unit
Solo Cup Co	56040	1	Combustion Turbine	Maryland	5.6	Dropped - Onsite Unit
Solo Cup Co	56040	2	Combustion Turbine	Maryland	5.6	Dropped - Onsite Unit
MPEA Energy Center	55067	GEN1	Combustion Turbine	Illinois	1.1	Dropped - Onsite Unit
MPEA Energy Center	55067	GEN2	Combustion Turbine	Illinois	1.1	Dropped - Onsite Unit
MPEA Energy Center	55067	GEN3	Combustion Turbine	Illinois	1.1	Dropped - Onsite Unit
MPEA Energy Center	55067	GEN4	Combustion Turbine	Illinois	2	Dropped - Onsite Unit
MPEA Energy Center	55067	GEN5	Combustion Turbine	Illinois	2	Dropped - Onsite Unit
MPEA Energy Center	55067	GEN6	Combustion Turbine	Illinois	2	Dropped - Onsite Unit
Seadrift Coke LP	10167	GEN1	Coal Steam	Texas	7.6	Dropped - Onsite Unit
International Paper Kaukauna Mill	54098	GEN1	Non-Fossil Waste	Wisconsin	6	Dropped - Onsite Unit
International Paper Kaukauna Mill	54098	GEN2	Non-Fossil Waste	Wisconsin	11	Dropped - Onsite Unit
International Paper Kaukauna Mill	54098	GEN3	Non-Fossil Waste	Wisconsin	15.6	Dropped - Onsite Unit
International Paper Kaukauna Mill	54098	GEN4	Coal Steam	Wisconsin	12	Dropped - Onsite Unit
TempleInland	10425	TG	Non-Fossil Waste	Texas	36.8	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Kyocera America Project	10720	85	Combustion Turbine	California	0.7	Dropped - Onsite Unit
Kyocera America Project	10720	88	Combustion Turbine	California	0.7	Dropped - Onsite Unit
Kyocera America Project	10720	95	Combustion Turbine	California	0.8	Dropped - Onsite Unit
Kyocera America Project	10720	96	Combustion Turbine	California	0.7	Dropped - Onsite Unit
Chocolate Bayou Works	10154	GEN1	Combustion Turbine	Texas	30	Dropped - Onsite Unit
Mead Rumford Cogen	10491	3STG	O/G Steam	Maine	12.5	Dropped - Onsite Unit
Wailuku River Hydroelectric	54827	8101	Hydro	Hawaii	4.9	Dropped - in Alaska or in Hawaii
Wailuku River Hydroelectric	54827	8102	Hydro	Hawaii	4.9	Dropped - in Alaska or in Hawaii
Wausau Paper Mills LLC	50636	1	Hydro	Minnesota	0.5	Dropped - Onsite Unit
Wausau Paper Mills LLC	50636	2	Hydro	Minnesota	0.5	Dropped - Onsite Unit
Wausau Paper Mills LLC	50636	3	Hydro	Minnesota	0.4	Dropped - Onsite Unit
Wausau Paper Mills LLC	50636	4	Hydro	Minnesota	0.6	Dropped - Onsite Unit
Wausau Paper Mills LLC	50636	5	Hydro	Minnesota	0.6	Dropped - Onsite Unit
Wausau Paper Mills LLC	50636	VPLS	Coal Steam	Minnesota	0.4	Dropped - Onsite Unit
Big Escambia Creek	50724	3011	O/G Steam	Alabama	1.1	Dropped - Onsite Unit
Big Escambia Creek	50724	3012	O/G Steam	Alabama	1.1	Dropped - Onsite Unit
Big Escambia Creek	50724	3023	O/G Steam	Alabama	1.1	Dropped - Onsite Unit
American Gypsum Cogeneration	54630	D-1	Combustion Turbine	Colorado	1.2	Dropped - Onsite Unit
American Gypsum Cogeneration	54630	D-2	Combustion Turbine	Colorado	1.2	Dropped - Onsite Unit
American Gypsum Cogeneration	54630	T-1	Combustion Turbine	Colorado	2.6	Dropped - Onsite Unit
American Gypsum Cogeneration	54630	T-2	Combustion Turbine	Colorado	2.6	Dropped - Onsite Unit
New Milford Gas Recovery	50564	GEN4	Landfill Gas	Connecticut	0.8	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Monroe Livingston Gas Recovery	50565	GEN2	Landfill Gas	New York	0.8	Dropped - PLANNED_RETIREMENT_YEAR <=2015
BJ Gas Recovery	54392	GEN3	Landfill Gas	Georgia	0.8	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Ridgeview	55925	GEN9	Landfill Gas	Wisconsin	0.8	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Timberline Trail Gas Recovery	56525	GEN6	Landfill Gas	Wisconsin	0.8	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Timberline Trail Gas Recovery	56525	GEN7	Landfill Gas	Wisconsin	0.8	Dropped - PLANNED_RETIREMENT_YEAR <=2015
CID Gas Recovery	50573	GEN1	Landfill Gas	Illinois	2.9	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Lake Gas Recovery	50575	GEN2	Landfill Gas	Illinois	2.9	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Kaheawa Pastures Wind Farm	56449	1	Wind	Hawaii	30	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Flambeau River Papers	50620	GEN1	Biomass	Wisconsin	4.7	Dropped - Onsite Unit
P H Glatfelter Co -Chillicothe Facility	10244	T-10	Non-Fossil Waste	Ohio	4.1	Dropped - Onsite Unit
P H Glatfelter Co -Chillicothe Facility	10244	T-11	Non-Fossil Waste	Ohio	10.8	Dropped - Onsite Unit
P H Glatfelter Co -Chillicothe Facility	10244	T-12	Non-Fossil Waste	Ohio	19.3	Dropped - Onsite Unit
P H Glatfelter Co -Chillicothe Facility	10244	T-13	Coal Steam	Ohio	19.1	Dropped - Onsite Unit
Glen Ferris Hydro	50010	GEN1	Hydro	West Virginia	0.3	Dropped - Onsite Unit
Glen Ferris Hydro	50010	GEN2	Hydro	West Virginia	0.3	Dropped - Onsite Unit
Glen Ferris Hydro	50010	GEN3	Hydro	West Virginia	0.3	Dropped - Onsite Unit
Glen Ferris Hydro	50010	GEN4	Hydro	West Virginia	0.3	Dropped - Onsite Unit
Glen Ferris Hydro	50010	GEN5	Hydro	West Virginia	0.3	Dropped - Onsite Unit
Glen Ferris Hydro	50010	GEN6	Hydro	West Virginia	0.3	Dropped - Onsite Unit
Glen Ferris Hydro	50010	GEN7	Hydro	West Virginia	1.3	Dropped - Onsite Unit
Glen Ferris Hydro	50010	GEN8	Hydro	West Virginia	1.3	Dropped - Onsite Unit
Otsego Mill Power Plant	55799	NRTH	Combustion Turbine	Michigan	8.8	Dropped - Onsite Unit
Otsego Mill Power Plant	55799	SOTH	Combustion Turbine	Michigan	8.8	Dropped - Onsite Unit
DEGS of Narrows LLC	52089	GEN1	Coal Steam	Virginia	6	Dropped - Onsite Unit
DEGS of Narrows LLC	52089	GEN2	Coal Steam	Virginia	6	Dropped - Onsite Unit
DEGS of Narrows LLC	52089	GEN3	Coal Steam	Virginia	5	Dropped - Onsite Unit
DEGS of Narrows LLC	52089	GEN4	Coal Steam	Virginia	4	Dropped - Onsite Unit
International Paper Jay Hydro	50047	GEN1	Hydro	Maine	0.5	Dropped - Onsite Unit
International Paper Jay Hydro	50047	GEN2	Hydro	Maine	0.5	Dropped - Onsite Unit
International Paper Jay Hydro	50047	GEN3	Hydro	Maine	0.5	Dropped - Onsite Unit
International Paper Jay Hydro	50047	GEN4	Hydro	Maine	0.5	Dropped - Onsite Unit
International Paper Jay Hydro	50047	GEN5	Hydro	Maine	0.5	Dropped - Onsite Unit
International Paper Jay Hydro	50047	GEN6	Hydro	Maine	0.6	Dropped - Onsite Unit
International Paper Livermore Hydro	50082	GEN1	Hydro	Maine	1.1	Dropped - Onsite Unit
International Paper Livermore Hydro	50082	GEN2	Hydro	Maine	1.1	Dropped - Onsite Unit
International Paper Livermore Hydro	50082	GEN3	Hydro	Maine	1.1	Dropped - Onsite Unit
International Paper Livermore Hydro	50082	GEN4	Hydro	Maine	1.2	Dropped - Onsite Unit
International Paper Livermore Hydro	50082	GEN5	Hydro	Maine	1.1	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
International Paper Livermore Hydro	50082	GEN6	Hydro	Maine	0.7	Dropped - Onsite Unit
International Paper Livermore Hydro	50082	GEN7	Hydro	Maine	0.9	Dropped - Onsite Unit
International Paper Livermore Hydro	50082	GEN8	Hydro	Maine	1	Dropped - Onsite Unit
International Paper Livermore Hydro	50082	GEN9	Hydro	Maine	1	Dropped - Onsite Unit
Androscoggin Mill	54085	GEN1	Non-Fossil Waste	Maine	25	Dropped - Onsite Unit
Androscoggin Mill	54085	GEN2	Non-Fossil Waste	Maine	25	Dropped - Onsite Unit
Androscoggin Mill	54085	GEN3	Non-Fossil Waste	Maine	30	Dropped - Onsite Unit
KapStone Kraft Paper Corp	50254	GEN1	Coal Steam	North Carolina	25	Dropped - Onsite Unit
Versailles Mill	54657	NO1	O/G Steam	Connecticut	14	Dropped - Onsite Unit
Kentucky Mills	55429	1	Non-Fossil Waste	Kentucky	49	Dropped - Onsite Unit
Weyerhaeuser Kingsport Mill	10252	NO.1	Non-Fossil Waste	Tennessee	46.5	Dropped - Onsite Unit
R & R Lumber	50945	ST1	Biomass	Oregon	1.4	Dropped - Onsite Unit
Pine Bluff Mill	10627	1TG1	Non-Fossil Waste	Arkansas	32	Dropped - Onsite Unit
Pine Bluff Mill	10627	2TG1	Non-Fossil Waste	Arkansas	15	Dropped - Onsite Unit
Pine Bluff Mill	10627	3TG1	Non-Fossil Waste	Arkansas	13	Dropped - Onsite Unit
Escanaba Paper Company	10208	NO.7	Coal Steam	Michigan	32	Dropped - Onsite Unit
Escanaba Paper Company	10208	NO.8	Non-Fossil Waste	Michigan	23	Dropped - Onsite Unit
Escanaba Paper Company	10208	NO9	Coal Steam	Michigan	45	Dropped - Onsite Unit
RG Steel Sparrows Point, LLC	10485	GEN1	Fossil Waste	Maryland	152.3	Dropped - Onsite Unit
RG Steel Sparrows Point, LLC	10485	GEN2	Fossil Waste	Maryland		Dropped - Onsite Unit
RG Steel Sparrows Point, LLC	10485	GEN3	Fossil Waste	Maryland		Dropped - Onsite Unit
RG Steel Sparrows Point, LLC	10485	GEN4	Fossil Waste	Maryland		Dropped - Onsite Unit
Lanai Solar-Electric Plant	56667	1	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii
Lanai Solar-Electric Plant	56667	2	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii
Lanai Solar-Electric Plant	56667	3	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii
Lanai Solar-Electric Plant	56667	4	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii
Lanai Solar-Electric Plant	56667	5	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii
Lanai Solar-Electric Plant	56667	6	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii
Lanai Solar-Electric Plant	56667	7	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii
Lanai Solar-Electric Plant	56667	8	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Lanai Solar-Electric Plant	56667	9	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii
Lanai Solar-Electric Plant	56667	10	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii
Lanai Solar-Electric Plant	56667	11	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii
Lanai Solar-Electric Plant	56667	12	Solar PV	Hawaii	0.1	Dropped - in Alaska or in Hawaii
Green Bay West Mill	10360	GEN10	Coal Steam	Wisconsin	26.4	Dropped - Onsite Unit
Green Bay West Mill	10360	GEN5	Coal Steam	Wisconsin	7.5	Dropped - Onsite Unit
Green Bay West Mill	10360	GEN6	Coal Steam	Wisconsin	18	Dropped - Onsite Unit
Green Bay West Mill	10360	GEN7	Coal Steam	Wisconsin	23	Dropped - Onsite Unit
Green Bay West Mill	10360	GEN9	Coal Steam	Wisconsin	38	Dropped - Onsite Unit
Georgia Pacific Brewton Mill	54789	1TG	Non-Fossil Waste	Alabama	10.2	Dropped - Onsite Unit
Georgia Pacific Brewton Mill	54789	2TG	Non-Fossil Waste	Alabama	12.4	Dropped - Onsite Unit
Georgia Pacific Brewton Mill	54789	3TG	Non-Fossil Waste	Alabama	14.1	Dropped - Onsite Unit
Regional Wastewater Control Facility	56134	101	Non-Fossil Waste	California	1	Dropped - Onsite Unit
Regional Wastewater Control Facility	56134	301	Non-Fossil Waste	California	1	Dropped - Onsite Unit
Regional Wastewater Control Facility	56134	401	Non-Fossil Waste	California	1	Dropped - Onsite Unit
Regional Wastewater Control Facility	56134	501	Combustion Turbine	California	1	Dropped - Onsite Unit
Biron Mill	10234	GEN1	Coal Steam	Wisconsin	15.3	Dropped - Onsite Unit
Biron Mill	10234	GEN3	Coal Steam	Wisconsin	7.5	Dropped - Onsite Unit
Biron Mill	10234	GEN4	Coal Steam	Wisconsin	12.5	Dropped - Onsite Unit
Biron Mill	10234	GEN5	Coal Steam	Wisconsin	20	Dropped - Onsite Unit
Wisconsin Rapids Paper Mill	10466	GEN1	Non-Fossil Waste	Wisconsin	7.5	Dropped - Onsite Unit
Wisconsin Rapids Paper Mill	10466	GEN2	Non-Fossil Waste	Wisconsin	8.6	Dropped - Onsite Unit
Wisconsin Rapids Paper Mill	10466	GEN3	Non-Fossil Waste	Wisconsin	5	Dropped - Onsite Unit
Whiting Mill	10476	GEN4	Coal Steam	Wisconsin	4.1	Dropped - Onsite Unit
Duluth Paper Mill	50424	GEN1	Non-Fossil Waste	Minnesota	10.6	Dropped - Onsite Unit
Niagara Mill	54857	1HY	Hydro	Wisconsin	1.8	Dropped - Onsite Unit
Niagara Mill	54857	1ST	Coal Steam	Wisconsin	2.5	Dropped - Onsite Unit
Niagara Mill	54857	2HY	Hydro	Wisconsin	2.2	Dropped - Onsite Unit
Niagara Mill	54857	2ST	Coal Steam	Wisconsin	9.3	Dropped - Onsite Unit
Niagara Mill	54857	3HY	Hydro	Wisconsin	2.6	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Niagara Mill	54857	4HY	Hydro	Wisconsin	2.6	Dropped - Onsite Unit
Niagara Mill	54857	5HY	Hydro	Wisconsin	1	Dropped - Onsite Unit
Niagara Mill	54857	6HY	Hydro	Wisconsin	2.5	Dropped - Onsite Unit
Stevens Point Mill	55861	SP	O/G Steam	Wisconsin	7	Dropped - Onsite Unit
Parkedale Pharmaceuticals	50318	38-1	Combustion Turbine	Michigan	2.8	Dropped - Onsite Unit
Catalyst Paper Snowflake Mill	50805	GEN1	Coal Steam	Arizona	26	Dropped - Onsite Unit
Catalyst Paper Snowflake Mill	50805	GEN2	Coal Steam	Arizona	42	Dropped - Onsite Unit
Equilon Los Angeles Refining	50530	GEN1	Fossil Waste	California	25	Dropped - Onsite Unit
Equilon Los Angeles Refining	50530	GEN2	Fossil Waste	California	25	Dropped - Onsite Unit
Equilon Los Angeles Refining	50530	GEN3	Fossil Waste	California	15	Dropped - Onsite Unit
Biosphere 2 Center	54594	G-1	Combustion Turbine	Arizona	1.5	Dropped - Onsite Unit
Biosphere 2 Center	54594	G-4	Combustion Turbine	Arizona	1.6	Dropped - Onsite Unit
Domtar Paper Company Rothschild	50190	HG1	Hydro	Wisconsin	0.6	Dropped - Onsite Unit
Domtar Paper Company Rothschild	50190	HG2	Hydro	Wisconsin	0.5	Dropped - Onsite Unit
Domtar Paper Company Rothschild	50190	HG3	Hydro	Wisconsin	0.6	Dropped - Onsite Unit
Domtar Paper Company Rothschild	50190	HG4	Hydro	Wisconsin	0.5	Dropped - Onsite Unit
Domtar Paper Company Rothschild	50190	HG5	Hydro	Wisconsin	1	Dropped - Onsite Unit
Domtar Paper Company Rothschild	50190	HG6	Hydro	Wisconsin	0.7	Dropped - Onsite Unit
Domtar Paper Company Rothschild	50190	HG7	Hydro	Wisconsin	0.5	Dropped - Onsite Unit
Domtar Paper Company Rothschild	50190	TG2	O/G Steam	Wisconsin	4.7	Dropped - Onsite Unit
Kamin LLC Wrens Plant	54880	SDT1	Combustion Turbine	Georgia	1.7	Dropped - Onsite Unit
Kamin LLC Wrens Plant	54880	SDT2	Combustion Turbine	Georgia	1.7	Dropped - Onsite Unit
Kamin LLC Wrens Plant	54880	SDT3	Combustion Turbine	Georgia	1.7	Dropped - Onsite Unit
Kamin LLC Wrens Plant	54880	WPH1	Combustion Turbine	Georgia	1.1	Dropped - Onsite Unit
Kamin LLC Wrens Plant	54880	WPH2	Combustion Turbine	Georgia	1.2	Dropped - Onsite Unit
Kamin LLC Wrens Plant	54880	WPH3	Combustion Turbine	Georgia	1	Dropped - Onsite Unit
Kamin LLC Wrens Mine	55961	WM1	Combustion Turbine	Georgia	1	Dropped - Onsite Unit
Kamin LLC Wrens Mine	55961	WM2	Combustion Turbine	Georgia	1	Dropped - Onsite Unit
International Paper Sartell Mill	50252	ABB2	Coal Steam	Minnesota	20.4	Dropped - Onsite Unit
International Paper Sartell Mill	50252	HG10	Hydro	Minnesota	0.9	Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
International Paper Sartell Mill	50252	HG11	Hydro	Minnesota	0.9	Dropped - Onsite Unit
International Paper Sartell Mill	50252	HG12	Hydro	Minnesota	0.9	Dropped - Onsite Unit
International Paper Sartell Mill	50252	HG2	Hydro	Minnesota	0.9	Dropped - Onsite Unit
International Paper Sartell Mill	50252	HG3	Hydro	Minnesota	0.9	Dropped - Onsite Unit
International Paper Sartell Mill	50252	HG4	Hydro	Minnesota	0.9	Dropped - Onsite Unit
International Paper Sartell Mill	50252	HG5	Hydro	Minnesota	0.9	Dropped - Onsite Unit
International Paper Sartell Mill	50252	HG6	Hydro	Minnesota	0.8	Dropped - Onsite Unit
International Paper Sartell Mill	50252	HG7	Hydro	Minnesota	0.8	Dropped - Onsite Unit
International Paper Sartell Mill	50252	HG8	Hydro	Minnesota	0.7	Dropped - Onsite Unit
International Paper Sartell Mill	50252	HG9	Hydro	Minnesota	0.7	Dropped - Onsite Unit
Elk Basin Gasoline Plant	52127	GEN1	O/G Steam	Wyoming	0.8	Dropped - Onsite Unit
Elk Basin Gasoline Plant	52127	GEN2	O/G Steam	Wyoming	0.8	Dropped - Onsite Unit
Noranda Alumina LLC	50846	GT1	Combustion Turbine	Louisiana	15	Dropped - Onsite Unit
Noranda Alumina LLC	50846	GT2	Combustion Turbine	Louisiana	15	Dropped - Onsite Unit
Noranda Alumina LLC	50846	GT3	Combustion Turbine	Louisiana	15	Dropped - Onsite Unit
Noranda Alumina LLC	50846	GT4	Combustion Turbine	Louisiana	21	Dropped - Onsite Unit
Noranda Alumina LLC	50846	ST1	O/G Steam	Louisiana	17	Dropped - Onsite Unit
Noranda Alumina LLC	50846	ST2	O/G Steam	Louisiana	17	Dropped - Onsite Unit
Noranda Alumina LLC	50846	ST3	O/G Steam	Louisiana	6	Dropped - Onsite Unit
Riverwood 100 Building	54816	11KT	Combustion Turbine	Georgia	1.1	Dropped - Onsite Unit
Benedum Plant	54458	BG3A	Combustion Turbine	Texas	1	Dropped - Onsite Unit
Benedum Plant	54458	BG6	Combustion Turbine	Texas	1	Dropped - Onsite Unit
Johnsonburg Mill	54638	PT1	Non-Fossil Waste	Pennsylvania	49	Dropped - Onsite Unit
ArcelorMittal Burns Harbor	10245	GEN5	Fossil Waste	Indiana	60.5	Dropped - Onsite Unit
ArcelorMittal Burns Harbor	10245	GEN6	Fossil Waste	Indiana	51	Dropped - Onsite Unit
ArcelorMittal Burns Harbor	10245	GEN7	Fossil Waste	Indiana	63.2	Dropped - Onsite Unit
Expander Turbine	10475	16TG	Fossil Waste	Indiana	15	Dropped - Onsite Unit
Dynegy South Bay Power Plant	310	2	O/G Steam	California	150	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Dynegy South Bay Power Plant	310	5	Combustion Turbine	California	14	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Dynegy South Bay Power Plant	310	ST1	O/G Steam	California	146	Dropped - PLANNED_RETIREMENT_YEAR <=2015

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
International Paper Valliant OK	50192	TG1	Non-Fossil Waste	Oklahoma	57.8	Dropped - Onsite Unit
ArcelorMittal Indiana Harbor West	10397	GEN5	Fossil Waste	Indiana	3.1	Dropped - Onsite Unit
ArcelorMittal Indiana Harbor West	10397	GEN6	Fossil Waste	Indiana	3.1	Dropped - Onsite Unit
ArcelorMittal Indiana Harbor West	10397	GEN7	Fossil Waste	Indiana	3.9	Dropped - Onsite Unit
ArcelorMittal Indiana Harbor West	10397	GEN8	Fossil Waste	Indiana	3.9	Dropped - Onsite Unit
ArcelorMittal Indiana Harbor West	10397	GEN9	Fossil Waste	Indiana	11.9	Dropped - Onsite Unit
Finch Paper	10511	GEN6	O/G Steam	New York	23	Dropped - Onsite Unit
Verso Paper Quinnesec Mich Mill	50251	GEN1	Non-Fossil Waste	Michigan	28	Dropped - Onsite Unit
US DOE Savannah River Site (D Area)	7652	HP-1	Coal Steam	South Carolina	9.4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
US DOE Savannah River Site (D Area)	7652	HP-2	Coal Steam	South Carolina	9.4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
US DOE Savannah River Site (D Area)	7652	HP-3	Coal Steam	South Carolina	9.4	Dropped - PLANNED_RETIREMENT_YEAR <=2015
US DOE Savannah River Site (D Area)	7652	LP-1	Coal Steam	South Carolina	12.5	Dropped - PLANNED_RETIREMENT_YEAR <=2015
US DOE Savannah River Site (D Area)	7652	LP-2	Coal Steam	South Carolina	12.5	Dropped - PLANNED_RETIREMENT_YEAR <=2015
US DOE Savannah River Site (D Area)	7652	LP-3	Coal Steam	South Carolina	12.5	Dropped - PLANNED_RETIREMENT_YEAR <=2015
US DOE Savannah River Site (D Area)	7652	LP-4	Coal Steam	South Carolina	12.5	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Clearwater Paper APP CB	50638	GEN1	Non-Fossil Waste	Arkansas	20	Dropped - Onsite Unit
IP Springfield Oregon	50191	TG1	Non-Fossil Waste	Oregon	7.5	Dropped - Onsite Unit
IP Springfield Oregon	50191	TG2	Non-Fossil Waste	Oregon	5	Dropped - Onsite Unit
IP Springfield Oregon	50191	TG3	Non-Fossil Waste	Oregon	12.5	Dropped - Onsite Unit
IP Springfield Oregon	50191	TG4	Non-Fossil Waste	Oregon	33	Dropped - Onsite Unit
Weyerhaeuser Pine Hill Operations	54752	NO1	Biomass	Alabama	40	Dropped - Onsite Unit
Weyerhaeuser Pine Hill Operations	54752	NO2	Non-Fossil Waste	Alabama	30.6	Dropped - Onsite Unit
Pasadena	10638	GEN1	Combustion Turbine	Texas	2.6	Dropped - Onsite Unit
Boise Cascade Pulp & Paper Mill	55044	STG1	O/G Steam	Alabama	17.8	Dropped - Onsite Unit
Covanta WBH LLC	50660	GEN1	Municipal Solid Waste	Oklahoma	15.6	Dropped - Onsite Unit
Ashland Inc	10207	GEN1	Coal Steam	Missouri	8.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Ashland Inc	10207	GEN2	Coal Steam	Missouri	8.6	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Utility Plants Section	50308	GEN1	Coal Steam	Alaska	24	Dropped - Onsite Unit
Utility Plants Section	50308	GEN2	Coal Steam	Alaska		Dropped - Onsite Unit
Utility Plants Section	50308	GEN3	Coal Steam	Alaska		Dropped - Onsite Unit

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Notes
Utility Plants Section	50308	GEN4	Coal Steam	Alaska		Dropped - Onsite Unit
Utility Plants Section	50308	GEN5	Coal Steam	Alaska		Dropped - Onsite Unit
Pulp Mill Power House	10074	GEN1	Non-Fossil Waste	California	20	Dropped - Onsite Unit
Chalmette Refining LLC	50626	GEN1	Non-Fossil Waste	Louisiana	1.2	Dropped - Onsite Unit
DTE Pontiac North LLC	10111	GEN1	Coal Steam	Michigan	19	Dropped - Onsite Unit
Red Shield Environmental Old Town Facili	10700	TG2	O/G Steam	Maine	3	Dropped - Onsite Unit
Red Shield Environmental Old Town Facili	10700	TG4	Non-Fossil Waste	Maine	7.5	Dropped - Onsite Unit
Red Shield Environmental Old Town Facili	10700	TG5	Combustion Turbine	Maine	8.8	Dropped - Onsite Unit
Red Shield Environmental Old Town Facili	10700	TG6	Biomass	Maine	14	Dropped - Onsite Unit
Warner Lambert	54604	016E	Combustion Turbine	Michigan	1	Dropped - Onsite Unit
Warner Lambert	54604	550	Combustion Turbine	Michigan	1.5	Dropped - Onsite Unit
Warner Lambert	54604	085-1	Combustion Turbine	Michigan	2.3	Dropped - Onsite Unit
Warner Lambert	54604	085-2	Combustion Turbine	Michigan	2.3	Dropped - Onsite Unit
Warner Lambert	54604	5164	Combustion Turbine	Michigan	2.8	Dropped - Onsite Unit
Warner Lambert	54604	800-1	Combustion Turbine	Michigan	2.3	Dropped - Onsite Unit
Chocolate Bayou Plant	10418	GEN1	Fossil Waste	Texas	5.2	Dropped - Onsite Unit
Chocolate Bayou Plant	10418	GEN4	Fossil Waste	Texas	42.5	Dropped - Onsite Unit
St Francisville Mill	10697	GEN2	Non-Fossil Waste	Louisiana	16.5	Dropped - Onsite Unit
Evonik Degussa Tippecanoe Laboratories	54835	T121	Combustion Turbine	Indiana	1.2	Dropped - Onsite Unit
Union Tribune Publishing	10600	GEN1	Combustion Turbine	California	3.1	Dropped - Onsite Unit
WCI Steel	54207	GEN1	Fossil Waste	Ohio	2.8	Dropped - Onsite Unit
WCI Steel	54207	GEN2	Fossil Waste	Ohio	7	Dropped - Onsite Unit
WCI Steel	54207	GEN3	Fossil Waste	Ohio	9.3	Dropped - Onsite Unit
Empire	50760	OE11	Geothermal	Nevada	0.9	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Empire	50760	OE12	Geothermal	Nevada	0.9	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Empire	50760	OE13	Geothermal	Nevada	0.9	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Empire	50760	OE14	Geothermal	Nevada	0.9	Dropped - PLANNED_RETIREMENT_YEAR <=2015
Kapaa Photovoltaic Project	57525	KSPV	Solar PV	Hawaii	1	Dropped - in Alaska or in Hawaii

Table 4-36 Capacity Not Included Due to Recent Announcements

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
5 in 1 Dam Hydroelectric	10171	GEN1	Hydro	Iowa	0.7	2015
5 in 1 Dam Hydroelectric	10171	GEN2	Hydro	Iowa	0.7	2015
5 in 1 Dam Hydroelectric	10171	GEN3	Hydro	Iowa	0.7	2015
Abilene Energy Center Combustion Turbine	1251	GT1	Combustion Turbine	Kansas	64	2013
ACE Cogeneration Facility	10002	CFB	Coal Steam	California	101	2016
AES Greenidge LLC	2527	6	Coal Steam	New York	108	2012
AES Huntington Beach LLC	335	3A	O/G Steam	California	225	2012
AES Huntington Beach LLC	335	4A	O/G Steam	California	227	2012
AES Thames	10675	A	Coal Steam	Connecticut	90	2011
AES Thames	10675	B	Coal Steam	Connecticut	90	2011
AES Westover	2526	13	Coal Steam	New York	84	2012
Air Products Port Arthur	55309	GEN2	Combined Cycle	Texas	3	2012
Albany	2113	3	Combustion Turbine	Missouri	0.6	2015
Algodones	2475	1	O/G Steam	New Mexico	15	1987
Algodones	2475	2	O/G Steam	New Mexico	15	1987
Algodones	2475	3	O/G Steam	New Mexico	15	1987
Algonquin Power Sanger LLC	57564	STG	Combined Cycle	California	12.5	2012
Alliant Techsystems	7376	1	Combustion Turbine	Minnesota	1.6	2013
Alloy Steam Station	50012	BLR4	Coal Steam	West Virginia	38	2007
Alma	4140	B1	Coal Steam	Wisconsin	17.4	2013
Alma	4140	B2	Coal Steam	Wisconsin	17.4	2013
Alma	4140	B3	Coal Steam	Wisconsin	20.9	2013
Alma	4140	B4	Coal Steam	Wisconsin	48	2016
Alma	4140	B5	Coal Steam	Wisconsin	72	2016
Alvarado Hydro Facility	54242	AHF	Hydro	California	1.4	2011
Animas	2465	3	O/G Steam	New Mexico	9	2012
Animas	2465	4	O/G Steam	New Mexico	16	2012
Asbury	2076	1	Coal Steam	Missouri	189	2014
Astoria Generating Station	8906	20	O/G Steam	New York	181	2012
Austin Northeast	1961	NEPP	Coal Steam	Minnesota	29	2015
Avon Energy Partners LLC	55768	CH2	Landfill Gas	Illinois	0.9	2008
Avon Park	624	P1	Combustion Turbine	Florida	24	2016
Avon Park	624	P2	Combustion Turbine	Florida	24	2016
B C Cobb	1695	1	O/G Steam	Michigan	62	2015
B C Cobb	1695	2	O/G Steam	Michigan	62	2016
B C Cobb	1695	3	O/G Steam	Michigan	62	2015
B C Cobb	1695	4	Coal Steam	Michigan	156	2016
B C Cobb	1695	5	Coal Steam	Michigan	156	2016
B L England	2378	1	Coal Steam	New Jersey	113	2014

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
B L England	2378	IC1	Combustion Turbine	New Jersey	2	2016
B L England	2378	IC2	Combustion Turbine	New Jersey	2	2016
B L England	2378	IC3	Combustion Turbine	New Jersey	2	2016
B L England	2378	IC4	Combustion Turbine	New Jersey	2	2016
Balefill LFG Project	55159	UNT1	Landfill Gas	New Jersey	0.1	2010
Balefill LFG Project	55159	UNT2	Landfill Gas	New Jersey	0.1	2010
Barnett Shoals	701	1	Hydro	Georgia	0.2	2010
Barnett Shoals	701	2	Hydro	Georgia	0.2	2010
Barnett Shoals	701	3	Hydro	Georgia	0.2	2010
Barnett Shoals	701	4	Hydro	Georgia	0.2	2010
Barney M Davis	4939	2	Combined Cycle	Texas	347	2009
Battle Mountain	6509	1	Combustion Turbine	Nevada	1.8	2011
Battle Mountain	6509	2	Combustion Turbine	Nevada	1.8	2011
Battle Mountain	6509	3	Combustion Turbine	Nevada	1.8	2011
Battle Mountain	6509	4	Combustion Turbine	Nevada	1.8	2011
Ben French	3325	1	Coal Steam	South Dakota	21.6	2014
Berlin	6565	3A	Combustion Turbine	Maryland	1.8	2015
Berlin Gorham	54639	GOR1	Hydro	New Hampshire	1.2	2015
Big Sandy	1353	BSU2	Coal Steam	Kentucky	800	2015
Binghamton Cogen	55600	1	Combustion Turbine	New York	42	2012
Biodyne Lyons	55060	1	Landfill Gas	Illinois	0.9	2015
Biodyne Lyons	55060	2	Landfill Gas	Illinois	0.9	2015
Biodyne Lyons	55060	4	Landfill Gas	Illinois	0.9	2015
Biodyne Peoria	55057	1	Landfill Gas	Illinois	0.8	2015
Biodyne Peoria	55057	2	Landfill Gas	Illinois	0.8	2015
Biodyne Peoria	55057	4	Landfill Gas	Illinois	0.8	2015
Biodyne Peoria	55057	5	Landfill Gas	Illinois	0.8	2015
Biodyne Pontiac	55054	1	Landfill Gas	Illinois	4.2	2015
Biodyne Pontiac	55054	3	Landfill Gas	Illinois	4.2	2015
Biodyne Pontiac	55054	GEN2	Landfill Gas	Illinois	4.2	2015
Biron	3971	6	Hydro	Wisconsin	0.4	2015
BJ Gas Recovery	54392	GEN1	Landfill Gas	Georgia	0.8	2013
Blanco Compressor Station	54221	1	O/G Steam	New Mexico	1	2011
Blanco Compressor Station	54221	2	O/G Steam	New Mexico	1	2011
Block Island	6567	19	Combustion Turbine	Rhode Island	1	2012
Bluebonnet	55552	UNT2	Landfill Gas	Texas	1	2015
Boralex Sherman LLC	50874	19425	Biomass	Maine	21	2009
Boulevard	732	2	Combustion Turbine	Georgia	14	2013
Boulevard	732	3	Combustion Turbine	Georgia	14	2013
Bountiful City	3665	2	Combustion Turbine	Utah	1.2	2011
Bountiful City	3665	3	Combustion Turbine	Utah	1.2	2011

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Bountiful City	3665	4	Combustion Turbine	Utah	1	2011
Bountiful City	3665	5	Combustion Turbine	Utah	1	2011
Bountiful City	3665	6	Combustion Turbine	Utah	2.5	2011
Bountiful City	3665	7	Combustion Turbine	Utah	0.1	2011
Bowen	703	6	Combustion Turbine	Georgia	32	2013
Bridgeport Station	568	4	Combustion Turbine	Connecticut	18.3	2013
Brookhaven Facility	55778	BH2	Landfill Gas	New York	1.2	2012
Brookhaven Facility	55778	BH3	Landfill Gas	New York	1.2	2012
Brookhaven Facility	55778	BH4	Landfill Gas	New York	1.2	2012
Brunot Island	3096	1B	Combustion Turbine	Pennsylvania	15	2011
Brunot Island	3096	1C	Combustion Turbine	Pennsylvania	15	2011
Bryan	3561	3	O/G Steam	Texas	12	2015
Bryan	3561	4	O/G Steam	Texas	22	2015
Bryan	3561	5	O/G Steam	Texas	25	2015
Bryan	3561	6	O/G Steam	Texas	50	2015
Buck	2720	CT10	Combined Cycle	North Carolina	0	2015
Buck	2720	ST12	Combined Cycle	North Carolina	0	2015
Canadys Steam	3280	CAN1	Coal Steam	South Carolina	105	2013
Canadys Steam	3280	CAN2	Coal Steam	South Carolina	115	2014
Canadys Steam	3280	CAN3	Coal Steam	South Carolina	180	2014
Cane Run	1363	4	Coal Steam	Kentucky	155	2016
Cane Run	1363	5	Coal Steam	Kentucky	168	2016
Cane Run	1363	6	Coal Steam	Kentucky	240	2016
Cape Canaveral	609	PCC1	O/G Steam	Florida	396	2010
Cape Canaveral	609	PCC2	O/G Steam	Florida	396	2010
Cape Fear	2708	1	Combined Cycle	North Carolina	11	2011
Cape Fear	2708	1A	Combined Cycle	North Carolina	11	2013
Cape Fear	2708	1B	Combined Cycle	North Carolina	11	2012
Cape Fear	2708	2	Combined Cycle	North Carolina	7	2011
Cape Fear	2708	2A	Combined Cycle	North Carolina	11	2013
Cape Fear	2708	2B	Combined Cycle	North Carolina	11	2012
Cape Fear	2708	5	Coal Steam	North Carolina	144	2012
Cape Fear	2708	6	Coal Steam	North Carolina	172	2012
Carbon	3644	1	Coal Steam	Utah	67	2015
Carbon	3644	2	Coal Steam	Utah	105	2015
Cedar Station	2380	CED1	Combustion Turbine	New Jersey	44	2015
Cedar Station	2380	CED2	Combustion Turbine	New Jersey	22.3	2015
Central Ohio BioEnergy Plant #1	57513	COBE1	Non-Fossil Waste	Ohio	0.9	2011
CES Placerita Power Plant	10677	UNT2	Combined Cycle	California	46	2015
CES Placerita Power Plant	10677	UNT3	Combined Cycle	California	23	2015
Chalk Cliff Cogen	50003	GEN1	Combustion Turbine	California	46	2015

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Chamois	2169	1	Coal Steam	Missouri	16	2013
Chamois	2169	2	Coal Steam	Missouri	47	2013
Cherokee	469	3	Coal Steam	Colorado	152	2016
Chesapeake	3803	1	Coal Steam	Virginia	111	2014
Chesapeake	3803	10	Combustion Turbine	Virginia	16	2011
Chesapeake	3803	2	Coal Steam	Virginia	111	2015
Chesapeake	3803	7	Combustion Turbine	Virginia	16	2011
Chesapeake	3803	8	Combustion Turbine	Virginia	16	2011
Chesapeake	3803	9	Combustion Turbine	Virginia	16	2011
Chicopee Electric	55590	1	Landfill Gas	Massachusetts	0.9	2012
Chicopee Electric	55590	2	Landfill Gas	Massachusetts	0.9	2012
Clewiston Sugar House	50482	B1	Biomass	Florida	11.1	2004
Coal Canyon	226	1	Hydro	California	0.9	2013
Cogen South	7737	B001	Coal Steam	South Carolina	45	2011
Cogen South	7737	RB01	Coal Steam	South Carolina	45	2011
Colbert	47	1	Coal Steam	Alabama	178	2016
Colbert	47	2	Coal Steam	Alabama	178	2016
Colbert	47	3	Coal Steam	Alabama	178	2016
Colbert	47	4	Coal Steam	Alabama	178	2016
Colbert	47	5	Coal Steam	Alabama	472	2016
Coldwater	1819	3	Combustion Turbine	Michigan	3.5	2012
Coleman	2158	IC1	Combustion Turbine	Missouri	2	2011
Coleman	2158	IC2	Combustion Turbine	Missouri	2.3	2011
Colorado Energy Nations Company	10003	BLR1	Coal Steam	Colorado	8.1	2012
Condit	3846	1	Hydro	Washington	7.7	2011
Condit	3846	2	Hydro	Washington	7.4	2011
Conesville	2840	3	Coal Steam	Ohio	165	2012
Conners Creek	1726	15	O/G Steam	Michigan	58	2013
Conners Creek	1726	16	O/G Steam	Michigan	58	2012
Conners Creek	1726	17	O/G Steam	Michigan	58	2012
Conners Creek	1726	18	O/G Steam	Michigan	58	2012
Conroe	55555	UNT1	Landfill Gas	Texas	1	2012
Conroe	55555	UNT2	Landfill Gas	Texas	1	2012
Conroe	55555	UNT3	Landfill Gas	Texas	1	2012
Countyside Genco LLC	55773	CS1	Landfill Gas	Illinois	1.3	2012
Countyside Genco LLC	55773	CS2	Landfill Gas	Illinois	1.3	2012
Countyside Genco LLC	55773	CS3	Landfill Gas	Illinois	1.3	2012
Countyside Genco LLC	55773	CS4	Landfill Gas	Illinois	1.3	2012
Countyside Genco LLC	55773	CS5	Landfill Gas	Illinois	1.3	2012
Countyside Genco LLC	55773	CS6	Landfill Gas	Illinois	1.3	2012
Crawford	867	7	Coal Steam	Illinois	213	2012

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Crawford	867	8	Coal Steam	Illinois	319	2012
Crosscut	143	1	O/G Steam	Arizona	7.5	2015
Crosscut	143	2	O/G Steam	Arizona	7.5	2015
Crosscut	143	3	O/G Steam	Arizona	7.5	2015
Crosscut	143	4	O/G Steam	Arizona	2.5	2015
Crosscut	143	5	O/G Steam	Arizona	2.5	2015
Crosscut	143	6	O/G Steam	Arizona	2.5	2015
Crystal River	628	3	Nuclear	Florida	1028	2013
CTV Power Purchase Contract Trust	54300	SX1S	Wind	California	0.1	2015
Cutler	610	PCU5	O/G Steam	Florida	68	2012
Cutler	610	PCU6	O/G Steam	Florida	137	2012
Cytec 1, 2 & 3	56257	CY 1	Combustion Turbine	Connecticut	2	2011
Cytec 1, 2 & 3	56257	CY 2	Combustion Turbine	Connecticut	2	2011
Cytec 1, 2 & 3	56257	CY 3	Combustion Turbine	Connecticut	2	2011
Dale	1385	1	Coal Steam	Kentucky	23	2015
Dale	1385	2	Coal Steam	Kentucky	23	2015
Dale	1385	3	Coal Steam	Kentucky	74	2015
Dale	1385	4	Coal Steam	Kentucky	75	2015
Dan River	2723	CT1	Combined Cycle	North Carolina	0	2015
Dan River	2723	CT2	Combined Cycle	North Carolina	0	2015
Dan River	2723	ST	Combined Cycle	North Carolina	0	2015
Danskammer Generating Station	2480	1	O/G Steam	New York	66	2013
Danskammer Generating Station	2480	2	O/G Steam	New York	62	2013
Danskammer Generating Station	2480	3	Coal Steam	New York	138	2013
Danskammer Generating Station	2480	4	Coal Steam	New York	237	2013
Danskammer Generating Station	2480	5	Combustion Turbine	New York	2.5	2013
Danskammer Generating Station	2480	6	Combustion Turbine	New York	2.5	2013
DeCordova	8063	1	O/G Steam	Texas	818	2011
Deepwater	2384	1	O/G Steam	New Jersey	78	2014
Deepwater	2384	8	Coal Steam	New Jersey	81	2014
Delta	2051	1	O/G Steam	Mississippi	90	2015
Delta	2051	2	O/G Steam	Mississippi	87	2015
Devonshire Power Partners LLC	55761	DO3	Landfill Gas	Illinois	1	2009
Devonshire Power Partners LLC	55761	DO4	Landfill Gas	Illinois	1	2009
Devonshire Power Partners LLC	55761	DO5	Landfill Gas	Illinois	1	2009
Dolphus M Grainger	3317	1	Coal Steam	South Carolina	83	2013
Dolphus M Grainger	3317	2	Coal Steam	South Carolina	83	2013
Dominoin-Warren County	55939	ST02	Combined Cycle	Virginia	0	2015
Dunbarton Energy Partners LP	55779	MA1	Landfill Gas	New Hampshire	0.6	2012
Dunbarton Energy Partners LP	55779	MA2	Landfill Gas	New Hampshire	0.6	2012
Dynegy Morro Bay LLC	259	1	O/G Steam	California	163	2014

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Dynegy Morro Bay LLC	259	2	O/G Steam	California	163	2014
Dynegy Morro Bay LLC	259	3	O/G Steam	California	337	2014
Dynegy Morro Bay LLC	259	4	O/G Steam	California	336	2014
E F Barrett	2511	7	Combustion Turbine	New York	16.6	2011
E S Joslin	3436	1	O/G Steam	Texas	254	2005
Eagle Mountain	3489	1	O/G Steam	Texas	115	2012
Eagle Mountain	3489	2	O/G Steam	Texas	175	2012
Eagle Mountain	3489	3	O/G Steam	Texas	375	2012
Eagle River	4062	1	Combustion Turbine	Wisconsin	2.1	2011
Eagle River	4062	2	Combustion Turbine	Wisconsin	2.1	2011
Eagle Valley	991	6	Coal Steam	Indiana	99	2014
East Third Street Power Plant	10367	CB1302	Coal Steam	California	18.7	2012
Eastport	1468	1	Combustion Turbine	Maine	0.7	2014
Eastport	1468	2	Combustion Turbine	Maine	0.7	2014
Eastport	1468	3	Combustion Turbine	Maine	2	2014
Eckert Station	1831	1	Coal Steam	Michigan	35	2016
Eckert Station	1831	2	Coal Steam	Michigan	36	2016
Eckert Station	1831	3	Coal Steam	Michigan	34	2016
Edgewater	4050	3	Coal Steam	Wisconsin	70	2016
El Cajon	301	ENCI	Combustion Turbine	California	15	2013
El Centro	389	3	O/G Steam	California	42	2010
El Segundo Power	330	3	O/G Steam	California	325	2013
Elrama Power Plant	3098	1	Coal Steam	Pennsylvania	93	2014
Elrama Power Plant	3098	2	Coal Steam	Pennsylvania	93	2014
Elrama Power Plant	3098	3	Coal Steam	Pennsylvania	103	2014
Elrama Power Plant	3098	4	Coal Steam	Pennsylvania	171	2014
Endicott Station	4259	2	Combustion Turbine	Michigan	1.6	2012
Endicott Station	4259	3	Combustion Turbine	Michigan	1.6	2012
Enid	2950	1	Combustion Turbine	Oklahoma	11.1	2012
Enid	2950	2	Combustion Turbine	Oklahoma	10.5	2012
Enid	2950	3	Combustion Turbine	Oklahoma	11.5	2012
Enid	2950	4	Combustion Turbine	Oklahoma	10.5	2012
Estherville	1137	6	Combustion Turbine	Iowa	1.7	2013
Everett Cogen	7627	14	Biomass	Washington	36	2011
Fair Station	1218	1	Coal Steam	Iowa	23	2013
Fair Station	1218	2	Coal Steam	Iowa	41	2013
Fairview	2978	4	Combustion Turbine	Oklahoma	0.8	2012
Fairview	2978	5	Combustion Turbine	Oklahoma	1	2012
Far Rockaway	2513	40	O/G Steam	New York	105	2012
FirstEnergy Albright	3942	1	Coal Steam	West Virginia	73	2012
FirstEnergy Albright	3942	2	Coal Steam	West Virginia	73	2012

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
FirstEnergy Albright	3942	3	Coal Steam	West Virginia	137	2012
FirstEnergy Armstrong Power Station	3178	1	Coal Steam	Pennsylvania	172	2012
FirstEnergy Armstrong Power Station	3178	2	Coal Steam	Pennsylvania	172	2012
FirstEnergy Ashtabula	2835	7	Coal Steam	Ohio	244	2015
FirstEnergy Bay Shore	2878	2	Coal Steam	Ohio	138	2012
FirstEnergy Bay Shore	2878	3	Coal Steam	Ohio	142	2012
FirstEnergy Bay Shore	2878	4	Coal Steam	Ohio	215	2012
FirstEnergy Eastlake	2837	1	Coal Steam	Ohio	132	2015
FirstEnergy Eastlake	2837	2	Coal Steam	Ohio	132	2015
FirstEnergy Eastlake	2837	3	Coal Steam	Ohio	132	2015
FirstEnergy Eastlake	2837	4	Coal Steam	Ohio	240	2012
FirstEnergy Eastlake	2837	5	Coal Steam	Ohio	597	2012
FirstEnergy Lake Shore	2838	18	Coal Steam	Ohio	245	2015
FirstEnergy Mad River	2860	CTA	Combustion Turbine	Ohio	25	2014
FirstEnergy Mad River	2860	CTB	Combustion Turbine	Ohio	25	2014
FirstEnergy Mitchell Power Station	3181	1	O/G Steam	Pennsylvania	27	2002
FirstEnergy Mitchell Power Station	3181	2	O/G Steam	Pennsylvania	27	2013
FirstEnergy Mitchell Power Station	3181	3	O/G Steam	Pennsylvania	27	2013
FirstEnergy Mitchell Power Station	3181	33	Coal Steam	Pennsylvania	278	2013
FirstEnergy R E Burger	2864	5	Coal Steam	Ohio	47	2012
FirstEnergy R Paul Smith Power Station	1570	11	Coal Steam	Maryland	87	2012
FirstEnergy R Paul Smith Power Station	1570	9	Coal Steam	Maryland	28	2012
FirstEnergy Rivesville	3945	7	Coal Steam	West Virginia	37	2012
FirstEnergy Rivesville	3945	8	Coal Steam	West Virginia	88	2012
FirstEnergy Willow Island	3946	1	Coal Steam	West Virginia	54	2012
FirstEnergy Willow Island	3946	2	Coal Steam	West Virginia	181	2012
Fisk Street	886	19	Coal Steam	Illinois	326	2012
Four Corners	2442	1	Coal Steam	New Mexico	170	2013
Four Corners	2442	2	Coal Steam	New Mexico	170	2013
Four Corners	2442	3	Coal Steam	New Mexico	220	2013
Fox Valley Energy Center	56037	1	Non-Fossil Waste	Wisconsin	6.5	2013
G E Turner	629	P1	Combustion Turbine	Florida	10	2016
G E Turner	629	P2	Combustion Turbine	Florida	10	2016
G W Ivey	665	10	Combustion Turbine	Florida	2	2013
G W Ivey	665	11	Combustion Turbine	Florida	3	2013
G W Ivey	665	12	Combustion Turbine	Florida	3	2013
G W Ivey	665	18	Combustion Turbine	Florida	8	2013
G W Ivey	665	8	Combustion Turbine	Florida	2	2013
G W Ivey	665	9	Combustion Turbine	Florida	2	2013
Galena 3 Geothermal Power Plant	56541	GEN2	Geothermal	Nevada	7.9	2015
Gantt	53	3	Hydro	Alabama	1	2015

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Garden City	1336	GC3	O/G Steam	Kansas	8.7	2011
Gastonia Duke Street	56061	1	Combustion Turbine	North Carolina	1.8	2012
Gastonia Rankin Lake	56060	1	Combustion Turbine	North Carolina	1.8	2012
Gaylord	1706	5	Combustion Turbine	Michigan	14	2010
Geneva Generation Facility	56462	GEN6	Combustion Turbine	Illinois	1.4	2011
Geysers Unit 5-20	286	U10	Geothermal	California	30	2015
Geysers Unit 5-20	286	U9	Geothermal	California	30	2015
Gilbert	2393	C1	Combustion Turbine	New Jersey	23	2015
Gilbert	2393	C2	Combustion Turbine	New Jersey	25	2015
Gilbert	2393	C3	Combustion Turbine	New Jersey	25	2015
Gilbert	2393	C4	Combustion Turbine	New Jersey	25	2015
Glen Gardner	8227	1	Combustion Turbine	New Jersey	20	2015
Glen Gardner	8227	2	Combustion Turbine	New Jersey	20	2015
Glen Gardner	8227	3	Combustion Turbine	New Jersey	20	2015
Glen Gardner	8227	4	Combustion Turbine	New Jersey	20	2015
Glen Gardner	8227	5	Combustion Turbine	New Jersey	20	2015
Glen Gardner	8227	6	Combustion Turbine	New Jersey	20	2015
Glen Gardner	8227	7	Combustion Turbine	New Jersey	20	2015
Glen Gardner	8227	8	Combustion Turbine	New Jersey	20	2015
Glen Lyn	3776	51	Coal Steam	Virginia	45	2015
Glen Lyn	3776	52	Coal Steam	Virginia	45	2015
Glen Lyn	3776	6	Coal Steam	Virginia	235	2015
Grand Forks	2821	1	Combustion Turbine	North Dakota	0.7	2012
Grand Forks	2821	10	Combustion Turbine	North Dakota	1.1	2012
Grand Forks	2821	11	Combustion Turbine	North Dakota	1.1	2012
Grand Forks	2821	2	Combustion Turbine	North Dakota	0.7	2012
Grand Forks	2821	3	Combustion Turbine	North Dakota	0.7	2012
Grand Forks	2821	4	Combustion Turbine	North Dakota	1	2012
Grand Forks	2821	5	Combustion Turbine	North Dakota	1	2012
Grand Forks	2821	6	Combustion Turbine	North Dakota	1	2012
Grand Forks	2821	7	Combustion Turbine	North Dakota	1.1	2012
Grand Forks	2821	8	Combustion Turbine	North Dakota	1.1	2012
Grand Forks	2821	9	Combustion Turbine	North Dakota	1.1	2012
Great Bend	1334	6	Combustion Turbine	Kansas	3	2012
Green River	1357	4	Coal Steam	Kentucky	68	2015
Green River	1357	5	Coal Steam	Kentucky	95	2016
Greene Energy Resource Recovery Project	56664	1	Coal Steam	Pennsylvania	525	2016
Greenport	2681	2	Combustion Turbine	New York	1.5	2015
Greenport	2681	7	Combustion Turbine	New York	1.6	2015
Groveton Paper Board	56140	TUR1	Combustion Turbine	New Hampshire	4	2012
Groveton Paper Board	56140	TUR2	Combustion Turbine	New Hampshire	4	2012

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
H B Robinson	3251	1	Coal Steam	South Carolina	177	2012
H B Robinson	3251	GT1	Combustion Turbine	South Carolina	11	2013
Hamilton	2917	GT1	Combustion Turbine	Ohio	8	2011
Hamilton Moses	168	1	O/G Steam	Arkansas	67	2013
Hamilton Moses	168	2	O/G Steam	Arkansas	67	2013
Hanford	10373	CB1302	Coal Steam	California	25	2012
Hansel	672	21	Combined Cycle	Florida	30	2012
Hansel	672	22	Combined Cycle	Florida	8	2012
Hansel	672	23	Combined Cycle	Florida	8	2012
Harbor Beach	1731	1	Coal Steam	Michigan	95	2016
Harding Street	990	10	O/G Steam	Indiana	35	2015
Harllee Branch	709	3	Coal Steam	Georgia	509	2015
Harllee Branch	709	4	Coal Steam	Georgia	507	2015
Harvey Couch	169	1	O/G Steam	Arkansas	12	2011
Harwood	2822	2	Combustion Turbine	North Dakota	1.6	2012
Harwood	2822	3	Combustion Turbine	North Dakota	1.6	2012
Hatfields Ferry Power Station	3179	1	Coal Steam	Pennsylvania	506	2013
Hatfields Ferry Power Station	3179	2	Coal Steam	Pennsylvania	506	2013
Hatfields Ferry Power Station	3179	3	Coal Steam	Pennsylvania	506	2013
Havana	891	1	O/G Steam	Illinois	28	2013
Havana	891	2	O/G Steam	Illinois	28	2013
Havana	891	3	O/G Steam	Illinois	28	2013
Havana	891	4	O/G Steam	Illinois	28	2013
Havana	891	5	O/G Steam	Illinois	28	2013
Havana	891	6	O/G Steam	Illinois	28	2013
Havana	891	7	O/G Steam	Illinois	28	2013
Havana	891	8	O/G Steam	Illinois	28	2013
Haynes	400	5	O/G Steam	California	292	2013
Haynes	400	6	O/G Steam	California	238	2013
Heber City	7111	NA3	Combustion Turbine	Utah	0.6	2012
Herington	1283	1	Combustion Turbine	Kansas	1.6	2012
Herington	1283	2	Combustion Turbine	Kansas	1	2012
Herington	1283	3	Combustion Turbine	Kansas	3.1	2012
Herington	1283	5	Combustion Turbine	Kansas	0.9	2012
Herkimer	52057	1	Hydro	New York	0.1	2015
Herkimer	52057	2	Hydro	New York	0.1	2015
Herkimer	52057	3	Hydro	New York	0.1	2015
Herkimer	52057	4	Hydro	New York	0.1	2015
Higgins	630	P1	Combustion Turbine	Florida	25	2016
Higgins	630	P2	Combustion Turbine	Florida	25	2016
Higgins	630	P3	Combustion Turbine	Florida	33	2016

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Higgins	630	P4	Combustion Turbine	Florida	30	2016
High Street Station	1670	3	Combustion Turbine	Massachusetts	0.7	2015
HMDC Kingsland Landfill	55604	UNT1	Landfill Gas	New Jersey	0.1	2010
HMDC Kingsland Landfill	55604	UNT2	Landfill Gas	New Jersey	0.1	2010
HMDC Kingsland Landfill	55604	UNT3	Landfill Gas	New Jersey	0.1	2010
Holcomb Rock	56314	HG2	Hydro	Virginia	0.2	2015
Holt Dam	12	1	Hydro	Alabama	45	2016
Hutsonville	863	5	Coal Steam	Illinois	75	2011
Hutsonville	863	6	Coal Steam	Illinois	76	2011
Hutsonville	863	D1	Combustion Turbine	Illinois	3	2011
Ina Road Water Pollution Control Fac	55257	1	Combustion Turbine	Arizona	0.6	2013
Ina Road Water Pollution Control Fac	55257	2	Combustion Turbine	Arizona	0.6	2013
Ina Road Water Pollution Control Fac	55257	3	Combustion Turbine	Arizona	0.6	2013
Ina Road Water Pollution Control Fac	55257	4	Combustion Turbine	Arizona	0.6	2013
Ina Road Water Pollution Control Fac	55257	5	Combustion Turbine	Arizona	0.6	2013
Ina Road Water Pollution Control Fac	55257	6	Combustion Turbine	Arizona	0.6	2013
Ina Road Water Pollution Control Fac	55257	7	Combustion Turbine	Arizona	0.6	2013
Indian River Generating Station	594	1	Coal Steam	Delaware	89	2011
Indian River Generating Station	594	2	Coal Steam	Delaware	89	2010
Indian Trails Cogen 1	7384	1	O/G Steam	Illinois	3.3	2010
Iola	1291	11	Combustion Turbine	Kansas	2.1	2013
Iola	1291	12	Combustion Turbine	Kansas	2	2013
Iola	1291	13	Combustion Turbine	Kansas	2	2013
Ivy River Hydro	50890	GEN1	Hydro	North Carolina	0.2	2015
Ivy River Hydro	50890	GEN2	Hydro	North Carolina	0.2	2015
Ivy River Hydro	50890	GEN3	Hydro	North Carolina	0.2	2015
Ivy River Hydro	50890	GEN4	Hydro	North Carolina	0.2	2015
Ivy River Hydro	50890	GEN5	Hydro	North Carolina	0.2	2015
Ivy River Hydro	50890	GEN6	Hydro	North Carolina	0.2	2015
J C Weadock	1720	7	Coal Steam	Michigan	155	2016
J C Weadock	1720	8	Coal Steam	Michigan	151	2016
J R Whiting	1723	1	Coal Steam	Michigan	97	2016
J R Whiting	1723	2	Coal Steam	Michigan	101	2016
J R Whiting	1723	3	Coal Steam	Michigan	124	2016
Jack Watson	2049	A	Combustion Turbine	Mississippi	33	2016
James De Young	1830	5	Coal Steam	Michigan	27	2016
Jefferies	3319	3	Coal Steam	South Carolina	152	2013
Jefferies	3319	4	Coal Steam	South Carolina	150	2013
John R Kelly	664	JRK7	O/G Steam	Florida	23.2	2016
John Sevier	3405	3	Coal Steam	Tennessee	176	2016
John Sevier	3405	4	Coal Steam	Tennessee	176	2016

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
John Street 1, 3, 4 & 5	56256	JS 1	Combustion Turbine	Connecticut	2	2011
Kammer	3947	1	Coal Steam	West Virginia	200	2015
Kammer	3947	2	Coal Steam	West Virginia	200	2015
Kammer	3947	3	Coal Steam	West Virginia	200	2015
Kanawha River	3936	1	Coal Steam	West Virginia	200	2015
Kanawha River	3936	2	Coal Steam	West Virginia	200	2015
Kaw	1294	1	O/G Steam	Kansas	42	2013
Kaw	1294	2	O/G Steam	Kansas	42	2013
Kaw	1294	3	O/G Steam	Kansas	56	2013
Kearny	303	KEA1	Combustion Turbine	California	16	2013
Kearny	303	KEA2	Combustion Turbine	California	59	2013
Kearny	303	KEA3	Combustion Turbine	California	61	2013
Kensico	650	1	Hydro	New York	0.8	2012
Kensico	650	2	Hydro	New York	0.8	2012
Kensico	650	3	Hydro	New York	0.8	2012
Kerckhoff	250	H2	Hydro	California	8.6	2013
Kern River Fee A Cogen	52094	GEN1	Combustion Turbine	California	3.2	2011
Kern River Fee A Cogen	52094	GEN2	Combustion Turbine	California	3.2	2011
Kern River Fee B Cogen	52092	GEN1	Combustion Turbine	California	3.2	2011
Kern River Fee C Cogen	52095	GEN1	Combustion Turbine	California	3.2	2011
Kern River Fee C Cogen	52095	GEN2	Combustion Turbine	California	3.2	2011
Kewaunee	8024	1	Nuclear	Wisconsin	566	2013
Kinsleys Landfill	10045	11	Landfill Gas	New Jersey	0.5	2014
Kinsleys Landfill	10045	12	Landfill Gas	New Jersey	0.5	2014
Kinsleys Landfill	10045	13	Landfill Gas	New Jersey	0.5	2014
Kinsleys Landfill	10045	14	Landfill Gas	New Jersey	0.5	2014
Kitty Hawk	2757	GT1	Combustion Turbine	North Carolina	16	2011
Kitty Hawk	2757	GT2	Combustion Turbine	North Carolina	15	2011
KMS Crossroads	50693	DG-1	Combustion Turbine	New Jersey	0.1	2011
KMS Crossroads	50693	DG-3	Combustion Turbine	New Jersey	0.1	2011
KMS Crossroads	50693	TG-4	Combustion Turbine	New Jersey	0.1	2011
Koppers Susquehanna Plant	10731	1	Biomass	Pennsylvania	12	2013
Kraft	733	1	Coal Steam	Georgia	48	2016
Kraft	733	2	Coal Steam	Georgia	52	2016
Kraft	733	3	Coal Steam	Georgia	101	2016
Kraft	733	4	O/G Steam	Georgia	115	2016
L V Sutton	2713	1	Coal Steam	North Carolina	97	2013
L V Sutton	2713	2	Coal Steam	North Carolina	104	2013
L V Sutton	2713	3	Coal Steam	North Carolina	389	2013
L V Sutton	2713	GT1	Combustion Turbine	North Carolina	11	2011
L V Sutton	2713	GTA	Combustion Turbine	North Carolina	24	2011

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
L V Sutton	2713	GTB	Combustion Turbine	North Carolina	26	2011
La Plata	2140	8	Combustion Turbine	Missouri	0.9	2012
La Plata	2140	9	Combustion Turbine	Missouri	0.9	2012
Lake Creek	3502	D1	Combustion Turbine	Texas	2	2009
Lake Creek	3502	D2	Combustion Turbine	Texas	2	2009
Lake Creek	3502	D3	Combustion Turbine	Texas	2	2009
Lake Gas Recovery	50575	GEN3	Landfill Gas	Illinois	2.9	2013
Lamar Plant	508	4	Coal Steam	Colorado	40	1989
Lansing	1047	2	Coal Steam	Iowa	8.4	2010
Lansing	1047	3	Coal Steam	Iowa	21	2013
Lawrence County Station	7948	1	Combustion Turbine	Indiana	44	2014
Lawrence County Station	7948	2	Combustion Turbine	Indiana	44	2015
Lee	2709	GT1	Combustion Turbine	North Carolina	12	2012
Lee	2709	GT2	Combustion Turbine	North Carolina	21	2012
Lee	2709	GT3	Combustion Turbine	North Carolina	21	2012
Lee	2709	GT4	Combustion Turbine	North Carolina	21	2012
Lexington Hickory Street	56066	1	Combustion Turbine	North Carolina	1.8	2012
Lilliwaup Falls Generating	50700	4735	Hydro	Washington	0.2	2015
Lilliwaup Falls Generating	50700	4736	Hydro	Washington	0.2	2015
Lilliwaup Falls Generating	50700	4737	Hydro	Washington	0.2	2015
Lilliwaup Falls Generating	50700	4738	Hydro	Washington	0.2	2015
Lilliwaup Falls Generating	50700	4739	Hydro	Washington	0.2	2015
Lilliwaup Falls Generating	50700	4740	Hydro	Washington	0.2	2015
Lilliwaup Falls Generating	50700	4741	Hydro	Washington	0.2	2015
Little Company of Mary Hospital	10400	GEN1	Combustion Turbine	Illinois	3.2	2012
Little Mountain	6553	1	Combustion Turbine	Utah	14	2011
Loveridge Road Power Plant	10368	CB1302	Coal Steam	California	18	2012
Low Moor	3799	GT1	Combustion Turbine	Virginia	12	2016
Low Moor	3799	GT2	Combustion Turbine	Virginia	12	2016
Low Moor	3799	GT3	Combustion Turbine	Virginia	12	2016
Low Moor	3799	GT4	Combustion Turbine	Virginia	12	2016
Lowell Cogen Plant	10802	GEN1	Combined Cycle	Massachusetts	20	2013
Lowell Cogen Plant	10802	GEN2	Combined Cycle	Massachusetts	8.5	2013
Macon	2141	1	Combustion Turbine	Missouri	4.8	2012
Maiden Finger Street	56065	1	Combustion Turbine	North Carolina	1.8	2012
Main Street	2162	1	Combustion Turbine	Missouri	12	2010
Marysville	1732	10	Coal Steam	Michigan	42	2011
Marysville	1732	11	Coal Steam	Michigan	42	2011
Marysville	1732	12	Coal Steam	Michigan	42	2011
Marysville	1732	9	Coal Steam	Michigan	42	2011
McIntosh	6124	1	Coal Steam	Georgia	156.5	2015

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
McKittrick Cogen	52076	GEN1	Combustion Turbine	California	3	2012
McKittrick Cogen	52076	GEN2	Combustion Turbine	California	3	2012
McKittrick Cogen	52076	GEN3	Combustion Turbine	California	3	2012
McManus	715	1	O/G Steam	Georgia	43	2015
McManus	715	2	O/G Steam	Georgia	79	2015
McManus	715	IC1	Combustion Turbine	Georgia	2	2013
Medicine Bow	692	CLIP	Wind	Wyoming	2.5	2011
Medway	1474	IC1	Combustion Turbine	Maine	2	2014
Medway	1474	IC2	Combustion Turbine	Maine	2	2014
Medway	1474	IC3	Combustion Turbine	Maine	2	2014
Medway	1474	IC4	Combustion Turbine	Maine	2	2014
Meredosia	864	1	Coal Steam	Illinois	26	2009
Meredosia	864	2	Coal Steam	Illinois	26	2009
Meredosia	864	3	Coal Steam	Illinois	26	2009
Meredosia	864	4	Coal Steam	Illinois	26	2009
Meredosia	864	5	Coal Steam	Illinois	203	2011
Meredosia	864	6	O/G Steam	Illinois	166	2011
Miami Fort	2832	6	Coal Steam	Ohio	163	2015
Miami Wabash	1006	4	Combustion Turbine	Indiana	16	2011
Michoud	1409	1	O/G Steam	Louisiana	65	2011
Middle Point Landfill Gas Recovery	56866	1	Landfill Gas	Tennessee	1.4	2011
Middle Point Landfill Gas Recovery	56866	2	Landfill Gas	Tennessee	1.4	2011
Middle Station	2382	MID1	Combustion Turbine	New Jersey	19.1	2015
Middle Station	2382	MID2	Combustion Turbine	New Jersey	19.5	2015
Middle Station	2382	MID3	Combustion Turbine	New Jersey	36	2015
Miramar	305	MRGT	Combustion Turbine	California	36	2013
Missouri Avenue	2383	MISB	Combustion Turbine	New Jersey	20.5	2015
Missouri Avenue	2383	MISC	Combustion Turbine	New Jersey	20.5	2015
Missouri Avenue	2383	MISD	Combustion Turbine	New Jersey	20.6	2015
Mitchell	727	3	Coal Steam	Georgia	155	2013
Mitchell	3948	2	Coal Steam	West Virginia	790	2013
Modern Landfill Production Plant	55142	GEN2	Landfill Gas	Pennsylvania	3	2014
Modern Landfill Production Plant	55142	GEN3	Landfill Gas	Pennsylvania	3	2014
Modern Landfill Production Plant	55142	GEN4	Landfill Gas	Pennsylvania	3	2014
Monroe	1448	10	O/G Steam	Louisiana	22	2011
Monroe	1448	11	O/G Steam	Louisiana	33	2011
Monroe	1448	12	O/G Steam	Louisiana	71	2011
Montauk	2515	2	Combustion Turbine	New York	2	2013
Montauk	2515	3	Combustion Turbine	New York	2	2013
Montauk	2515	4	Combustion Turbine	New York	1.9	2013
Montgomery	8025	1	Combustion Turbine	Minnesota	20.6	2012

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Monticello	6147	1	Coal Steam	Texas	565	2013
Monticello	6147	2	Coal Steam	Texas	565	2013
Montrose	2080	1	Coal Steam	Missouri	169	2016
Moorhead	1995	6	Combustion Turbine	Minnesota	5.9	2011
Morehead	2711	GT1	Combustion Turbine	North Carolina	12	2012
Morgan City	1449	1	O/G Steam	Louisiana	5.8	2015
Morgan City	1449	2	O/G Steam	Louisiana	5.8	2015
Morgan Creek	3492	5	O/G Steam	Texas	175	2005
Morgan Creek	3492	6	O/G Steam	Texas	511	2005
Morris Genco LLC	55774	MO1	Landfill Gas	Illinois	1.3	2011
Morris Genco LLC	55774	MO2	Landfill Gas	Illinois	1.3	2011
Morris Genco LLC	55774	MO3	Landfill Gas	Illinois	1.3	2011
Morris Sheppard	3557	1	Hydro	Texas	12	2013
Morris Sheppard	3557	2	Hydro	Texas	12	2013
Mount Tom	1606	1	Coal Steam	Massachusetts	144	2014
Mt Storm	3954	JF1	Combustion Turbine	West Virginia	11	2016
Mullen	2280	3	Combustion Turbine	Nebraska	0.3	2011
Mullen	2280	4	Combustion Turbine	Nebraska	0.6	2012
Muskingum River	2872	1	Coal Steam	Ohio	190	2015
Muskingum River	2872	2	Coal Steam	Ohio	190	2015
Muskingum River	2872	3	Coal Steam	Ohio	205	2015
Muskingum River	2872	4	Coal Steam	Ohio	205	2015
Natchez	2052	1	O/G Steam	Mississippi	73	2011
National Grid Glenwood Energy Center	2514	40	O/G Steam	New York	116	2012
National Grid Glenwood Energy Center	2514	50	O/G Steam	New York	113	2012
Neil Simpson	4150	5	Coal Steam	Wyoming	14.6	2014
Nelson Dewey	4054	1	Coal Steam	Wisconsin	115	2016
Nelson Dewey	4054	2	Coal Steam	Wisconsin	111	2016
Nelson Plant Generators	54245	EXI1	Combustion Turbine	Arizona	1.1	2011
Nelson Plant Generators	54245	EXI2	Combustion Turbine	Arizona	1.1	2010
Neosho	1243	7	O/G Steam	Kansas	67	2012
New Albany Energy Facility	55080	1	Combustion Turbine	Mississippi	60	2015
New Albany Energy Facility	55080	2	Combustion Turbine	Mississippi	60	2015
New Albany Energy Facility	55080	3	Combustion Turbine	Mississippi	60	2015
New Albany Energy Facility	55080	4	Combustion Turbine	Mississippi	60	2015
New Albany Energy Facility	55080	5	Combustion Turbine	Mississippi	60	2015
New Albany Energy Facility	55080	6	Combustion Turbine	Mississippi	60	2015
New Badger	4120	1	Hydro	Wisconsin	1.8	2012
New Badger	4120	2	Hydro	Wisconsin	1.8	2012
New Castle Plant	3138	3	Coal Steam	Pennsylvania	93	2015
New Castle Plant	3138	4	Coal Steam	Pennsylvania	95	2015

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
New Castle Plant	3138	5	Coal Steam	Pennsylvania	132	2015
New Castle Plant	3138	EMDA	Combustion Turbine	Pennsylvania	3	2015
New Castle Plant	3138	EMDB	Combustion Turbine	Pennsylvania	3	2015
New Hanover County WASTEC	50271	1A	Municipal Solid Waste	North Carolina	1.2	2001
Newby Island II	10389	1	Landfill Gas	California	1	2012
Newby Island II	10389	2	Landfill Gas	California	1	2012
Newby Island II	10389	3	Landfill Gas	California	1	2012
Nichols Road Power Plant	10371	CB1302	Coal Steam	California	17.8	2012
Niles	2861	1	Coal Steam	Ohio	108	2012
Niles	2861	2	Coal Steam	Ohio	108	2012
Nine Mile	3869	1	Hydro	Washington	8.9	2015
Nine Mile Point	1403	1	O/G Steam	Louisiana	50	2011
Nine Mile Point	1403	2	O/G Steam	Louisiana	107	2011
Nine Mile Point	1403	6	Combined Cycle	Louisiana	0	2015
North Branch	7537	A	Coal Steam	West Virginia	37	2014
North Branch	7537	B	Coal Steam	West Virginia	37	2014
Northwind Energy	10738	GEN1	Wind	California	12.1	2012
Norton	1310	1	Combustion Turbine	Kansas	0.9	2011
Norton	1310	2	Combustion Turbine	Kansas	1.3	2011
Norton	1310	3	Combustion Turbine	Kansas	2.4	2011
Norton	1310	4	Combustion Turbine	Kansas	3.1	2011
Norton	1310	5	Combustion Turbine	Kansas	2.2	2011
NRG Norwalk Harbor	548	1	O/G Steam	Connecticut	162	2013
NRG Norwalk Harbor	548	10	Combustion Turbine	Connecticut	11.9	2013
NRG Norwalk Harbor	548	2	O/G Steam	Connecticut	168	2013
Nueces Bay	3441	7	Combined Cycle	Texas	368	2005
O H Hutchings	2848	H-1	Coal Steam	Ohio	58	2015
O H Hutchings	2848	H-2	Coal Steam	Ohio	55	2015
O H Hutchings	2848	H-3	Coal Steam	Ohio	63	2015
O H Hutchings	2848	H-4	Coal Steam	Ohio	63	2013
O H Hutchings	2848	H-5	Coal Steam	Ohio	63	2015
O H Hutchings	2848	H-6	Coal Steam	Ohio	63	2015
Oakely	1311	1	Combustion Turbine	Kansas	1.2	2012
Oakely	1311	2	Combustion Turbine	Kansas	0.3	2012
Oakely	1311	4	Combustion Turbine	Kansas	0.8	2012
Oakely	1311	6	Combustion Turbine	Kansas	3.2	2012
Oakland Dam Hydroelectric	10433	1	Hydro	Pennsylvania	0.5	2015
Oakland Dam Hydroelectric	10433	2	Hydro	Pennsylvania	0.5	2015
Odessa	2148	2	Combustion Turbine	Missouri	0.2	2011
Odessa	2148	5	Combustion Turbine	Missouri	1	2008
Oglesby	894	1	Combustion Turbine	Illinois	13.5	2013

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Oglesby	894	2	Combustion Turbine	Illinois	13.5	2013
Oglesby	894	3	Combustion Turbine	Illinois	13.5	2013
Oglesby	894	4	Combustion Turbine	Illinois	13.5	2013
Old Badger	4121	3	Hydro	Wisconsin	1	2012
Old Badger	4121	4	Hydro	Wisconsin	1	2012
Oneida Casino	7602	1	Combustion Turbine	Wisconsin	1.8	2011
Oneida Casino	7602	2	Combustion Turbine	Wisconsin	1.8	2011
Onondaga Energy Partners LP	50346	ON1	Landfill Gas	New York	0.6	2010
Ormesa I	50766	OE1	Geothermal	California	0.7	2003
Ormesa I	50766	OE10	Geothermal	California	0.7	2003
Ormesa I	50766	OE13	Geothermal	California	0.7	2003
Ormesa I	50766	OE16	Geothermal	California	0.7	2003
Ormesa I	50766	OE2	Geothermal	California	0.7	2003
Ormesa I	50766	OE23	Geothermal	California	0.9	2008
Ormesa I	50766	OE26	Geothermal	California	0.9	2012
Ormesa I	50766	OE27	Geothermal	California	0.9	2003
Ormesa I	50766	OE28	Geothermal	California	0.9	2003
Ormesa I	50766	OE3	Geothermal	California	0.9	2003
Ormesa I	50766	OE4	Geothermal	California	0.7	2003
Ormesa I	50766	OE5	Geothermal	California	1.1	2003
Ormesa I	50766	OE6	Geothermal	California	1.1	2003
Ormesa I	50766	OE7	Geothermal	California	0.7	2003
Ormesa I	50766	OE8	Geothermal	California	0.7	2003
Ormesa I	50766	OE9	Geothermal	California	0.7	2003
Ormesa IE	50764	OE10	Geothermal	California	0.6	2009
Ormesa IE	50764	OE11	Geothermal	California	1	2009
Ormesa IE	50764	OE12	Geothermal	California	0.6	2009
Ormesa IE	50764	OEC1	Geothermal	California	1	2009
Ormesa IE	50764	OEC2	Geothermal	California	0.6	2009
Ormesa IE	50764	OEC3	Geothermal	California	1	2009
Ormesa IE	50764	OEC4	Geothermal	California	0.6	2009
Ormesa IE	50764	OEC5	Geothermal	California	1	2009
Ormesa IE	50764	OEC6	Geothermal	California	0.6	2009
Ormesa IE	50764	OEC7	Geothermal	California	1	2009
Ormesa IE	50764	OEC8	Geothermal	California	0.6	2009
Ormesa IE	50764	OEC9	Geothermal	California	1	2009
Ormesa IH	50762	OE11	Geothermal	California	1	2016
Ormesa II	54724	OE11	Geothermal	California	0.9	2007
Ormesa II	54724	OE12	Geothermal	California	0.9	2007
Ormesa II	54724	OE13	Geothermal	California	0.9	2007
Ormesa II	54724	OE21	Geothermal	California	0.9	2007

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Ormesa II	54724	OE22	Geothermal	California	0.9	2007
Ormesa II	54724	OE23	Geothermal	California	0.9	2007
Ormesa II	54724	OE24	Geothermal	California	0.9	2007
Ormesa II	54724	OE25	Geothermal	California	0.9	2007
Ormesa II	54724	OE26	Geothermal	California	0.9	2007
Ormesa II	54724	OE27	Geothermal	California	0.9	2007
Ormesa II	54724	OEC1	Geothermal	California	0.9	2007
Ormesa II	54724	OEC2	Geothermal	California	0.9	2007
Ormesa II	54724	OEC3	Geothermal	California	0.9	2007
Ormesa II	54724	OEC4	Geothermal	California	0.9	2007
Ormesa II	54724	OEC5	Geothermal	California	0.9	2007
Ormesa II	54724	OEC6	Geothermal	California	0.9	2007
Ormesa II	54724	OEC7	Geothermal	California	0.9	2007
Ormesa II	54724	OEC8	Geothermal	California	0.9	2007
Ormesa II	54724	OEC9	Geothermal	California	0.9	2007
Osage	4151	1	Coal Steam	Wyoming	10.1	2010
Osage	4151	2	Coal Steam	Wyoming	10.1	2010
Osage	4151	3	Coal Steam	Wyoming	10.1	2010
Osceola	172	10	Combustion Turbine	Arkansas	1.6	2012
Osceola	172	11	Combustion Turbine	Arkansas	1.6	2012
Osceola	172	12	Combustion Turbine	Arkansas	1.6	2012
Owatonna	2003	6	O/G Steam	Minnesota	20.6	2011
Owensville	2149	3A	Combustion Turbine	Missouri	1.8	2011
Owensville	2149	4A	Combustion Turbine	Missouri	1.3	2011
Owensville	2149	4B	Combustion Turbine	Missouri	1.8	2011
Owensville	2149	5	Combustion Turbine	Missouri	1.3	2011
Owensville	2149	6	Combustion Turbine	Missouri	1.8	2011
Owensville	2149	6A	Combustion Turbine	Missouri	1.8	2011
Palos Verdes Gas to Energy	10473	B501	Landfill Gas	California	1.2	2011
Pearl Station	6238	1A	Coal Steam	Illinois	22.2	2012
Pella	1175	6	Coal Steam	Iowa	11.5	2014
Pella	1175	7	Coal Steam	Iowa	11.5	2012
Pella	1175	8	Coal Steam	Iowa	11.5	2012
Permian Basin	3494	5	O/G Steam	Texas	115	2011
Peru	955	10	Combustion Turbine	Illinois	2	2011
Peru	955	3	Combustion Turbine	Illinois	1.8	2010
Peru	955	7	Combustion Turbine	Illinois	1.8	2010
Peru	955	8	Combustion Turbine	Illinois	2	2010
Peru	955	9	Combustion Turbine	Illinois	2	2010
Peru	955	IC1	Combustion Turbine	Illinois	6	2011
Peru	955	IC2	Combustion Turbine	Illinois	1.8	2010

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Peru	955	IC3	Combustion Turbine	Illinois	1.8	2011
Philip Sporn	3938	11	Coal Steam	West Virginia	145	2015
Philip Sporn	3938	21	Coal Steam	West Virginia	145	2015
Philip Sporn	3938	31	Coal Steam	West Virginia	145	2015
Philip Sporn	3938	41	Coal Steam	West Virginia	145	2015
Philip Sporn	3938	51	Coal Steam	West Virginia	440	2012
Picway	2843	9	Coal Steam	Ohio	95	2015
Piney Creek Project	54144	BRBR1	Coal Steam	Pennsylvania	32	2013
Pittsfield	6237	1	Combustion Turbine	Illinois	1	2011
Pittsfield	6237	2	Combustion Turbine	Illinois	1	2011
Pittsfield	6237	3	Combustion Turbine	Illinois	1	2011
Pittsfield	6237	4	Combustion Turbine	Illinois	2.7	2011
Pittsfield	6237	5	Combustion Turbine	Illinois	2.7	2011
Plant X	3485	113B	O/G Steam	Texas	93	2014
Plant X	3485	114B	O/G Steam	Texas	200	2014
Port Everglades	617	PPE1	O/G Steam	Florida	213	2013
Port Everglades	617	PPE2	O/G Steam	Florida	213	2013
Port Everglades	617	PPE3	O/G Steam	Florida	387	2013
Port Everglades	617	PPE4	O/G Steam	Florida	392	2013
Porterdale Hydro	50242	TB-1	Hydro	Georgia	0.7	2015
Porterdale Hydro	50242	TB-2	Hydro	Georgia	0.7	2015
Portland	3113	1	Coal Steam	Pennsylvania	158	2014
Portland	3113	2	Coal Steam	Pennsylvania	243	2014
Possum Point	3804	GT1	Combustion Turbine	Virginia	12	2015
Possum Point	3804	GT2	Combustion Turbine	Virginia	12	2015
Possum Point	3804	GT3	Combustion Turbine	Virginia	12	2015
Possum Point	3804	GT4	Combustion Turbine	Virginia	12	2015
Possum Point	3804	GT5	Combustion Turbine	Virginia	12	2015
Possum Point	3804	GT6	Combustion Turbine	Virginia	12	2015
Powerdale	3031	1	Hydro	Oregon	6	2007
PPL Veazie Hydro Station	1479	VZ01	Hydro	Maine	0.7	2013
PPL Veazie Hydro Station	1479	VZ02	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ03	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ04	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ05	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ06	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ07	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ08	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ09	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ10	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ11	Hydro	Maine	0.3	2013

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
PPL Veazie Hydro Station	1479	VZ12	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ13	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ14	Hydro	Maine	0.3	2013
PPL Veazie Hydro Station	1479	VZ15	Hydro	Maine	0.5	2013
PPL Veazie Hydro Station	1479	VZ16	Hydro	Maine	1.4	2013
PPL Veazie Hydro Station	1479	VZ17	Hydro	Maine	1.4	2013
Prairie Creek	1073	2	Coal Steam	Iowa	2.1	2010
Prairie River	378	1	Hydro	Minnesota	0.3	2015
Prairie River	378	2	Hydro	Minnesota	0.3	2015
Pratt	1317	4	O/G Steam	Kansas	5.8	2012
PSEG Burlington Generating Station	2399	111	Combustion Turbine	New Jersey	46.3	2015
PSEG Burlington Generating Station	2399	112	Combustion Turbine	New Jersey	46	2015
PSEG Burlington Generating Station	2399	113	Combustion Turbine	New Jersey	46.2	2015
PSEG Burlington Generating Station	2399	114	Combustion Turbine	New Jersey	46	2015
PSEG Burlington Generating Station	2399	91	Combustion Turbine	New Jersey	48.8	2015
PSEG Burlington Generating Station	2399	92	Combustion Turbine	New Jersey	47	2015
PSEG Burlington Generating Station	2399	93	Combustion Turbine	New Jersey	48	2015
PSEG Burlington Generating Station	2399	94	Combustion Turbine	New Jersey	47	2015
PSEG Edison Generating Station	2400	11	Combustion Turbine	New Jersey	44.1	2015
PSEG Edison Generating Station	2400	12	Combustion Turbine	New Jersey	42.8	2015
PSEG Edison Generating Station	2400	13	Combustion Turbine	New Jersey	43.6	2015
PSEG Edison Generating Station	2400	14	Combustion Turbine	New Jersey	43.1	2015
PSEG Edison Generating Station	2400	21	Combustion Turbine	New Jersey	43	2015
PSEG Edison Generating Station	2400	22	Combustion Turbine	New Jersey	44	2015
PSEG Edison Generating Station	2400	23	Combustion Turbine	New Jersey	42.8	2015
PSEG Edison Generating Station	2400	24	Combustion Turbine	New Jersey	43.9	2015
PSEG Edison Generating Station	2400	31	Combustion Turbine	New Jersey	42.6	2015
PSEG Edison Generating Station	2400	32	Combustion Turbine	New Jersey	43.7	2015
PSEG Edison Generating Station	2400	33	Combustion Turbine	New Jersey	43.1	2015
PSEG Edison Generating Station	2400	34	Combustion Turbine	New Jersey	43.1	2015
PSEG Essex Generating Station	2401	101	Combustion Turbine	New Jersey	44	2015
PSEG Essex Generating Station	2401	102	Combustion Turbine	New Jersey	43.6	2015
PSEG Essex Generating Station	2401	103	Combustion Turbine	New Jersey	43.6	2015
PSEG Essex Generating Station	2401	104	Combustion Turbine	New Jersey	44.6	2015
PSEG Essex Generating Station	2401	111	Combustion Turbine	New Jersey	46.1	2015
PSEG Essex Generating Station	2401	112	Combustion Turbine	New Jersey	47.6	2015
PSEG Essex Generating Station	2401	113	Combustion Turbine	New Jersey	46.1	2015
PSEG Essex Generating Station	2401	114	Combustion Turbine	New Jersey	46.1	2015
PSEG Essex Generating Station	2401	121	Combustion Turbine	New Jersey	46.6	2015
PSEG Essex Generating Station	2401	122	Combustion Turbine	New Jersey	46.8	2015
PSEG Essex Generating Station	2401	123	Combustion Turbine	New Jersey	47.6	2015

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
PSEG Essex Generating Station	2401	124	Combustion Turbine	New Jersey	46.6	2015
PSEG Sewaren Generating Station	2411	1	O/G Steam	New Jersey	105	2015
PSEG Sewaren Generating Station	2411	2	O/G Steam	New Jersey	108.3	2015
PSEG Sewaren Generating Station	2411	3	O/G Steam	New Jersey	107.9	2015
PSEG Sewaren Generating Station	2411	4	O/G Steam	New Jersey	121.8	2015
Pueblo	460	41	O/G Steam	Colorado	9	2013
Pueblo	460	49	O/G Steam	Colorado	18.8	2013
Pulliam	4072	5	Coal Steam	Wisconsin	52	2015
Pulliam	4072	6	Coal Steam	Wisconsin	71	2015
R Gallagher	1008	1	Coal Steam	Indiana	140	2012
R Gallagher	1008	3	Coal Steam	Indiana	140	2012
Rabun Gap Cogen Facility	50201	WB1	Biomass	Georgia	17	2010
Rantoul	958	5	Combustion Turbine	Illinois	0.7	2012
Ravenswood	2500	GT8	Combustion Turbine	New York	20	2015
Reid Gardner	2324	1	Coal Steam	Nevada	100	2014
Reid Gardner	2324	2	Coal Steam	Nevada	100	2014
Reid Gardner	2324	3	Coal Steam	Nevada	98	2014
Renaissance Power LLC	55402	CT1	Combustion Turbine	Michigan	165	2015
Renaissance Power LLC	55402	CT2	Combustion Turbine	Michigan	165	2015
Renaissance Power LLC	55402	CT3	Combustion Turbine	Michigan	165	2015
Renaissance Power LLC	55402	CT4	Combustion Turbine	Michigan	165	2015
Rex Brown	2053	1A	O/G Steam	Mississippi	7.5	2011
Rio Grande	2444	7	O/G Steam	New Mexico	46	2014
Rio Pinar	637	P1	Combustion Turbine	Florida	12	2016
Riverside	1559	4	O/G Steam	Maryland	74	2015
Riverside	1559	GT6	Combustion Turbine	Maryland	115	2014
Riverton	1239	39	O/G Steam	Kansas	38	2016
Riverton	1239	40	O/G Steam	Kansas	54	2016
Riverton	1239	9	Combustion Turbine	Kansas	12	2014
Riveside Resource Recovery LLC	55767	RO1	Landfill Gas	Illinois	0.9	2012
Riviera	619	PRV3	O/G Steam	Florida	277	2011
Riviera	619	PRV4	O/G Steam	Florida	288	2011
Robert E Ritchie	173	1	O/G Steam	Arkansas	300	2013
Rochester 3	2640	13	Combustion Turbine	New York	14.4	2011
Rochester 5	2641	2	Hydro	New York	12.9	2015
Rochester 5	2641	HY1	Hydro	New York	12.9	2015
Rochester 5	2641	HY3	Hydro	New York	18	2015
Rochester 9	2644	2	Combustion Turbine	New York	14	2014
Rocky River	3305	IC1	Combustion Turbine	South Carolina	1.1	2013
S D Warren Westbrook	50447	20	O/G Steam	Maine	10.1	2009
Sabetha Power Plant	1320	4	Combustion Turbine	Kansas	0.7	2012

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Sabetha Power Plant	1320	8	Combustion Turbine	Kansas	2.1	2012
Saguaro	118	1	O/G Steam	Arizona	110	2013
Saguaro	118	2	O/G Steam	Arizona	100	2013
Saguaro	118	PV1	Solar Thermal	Arizona	1	2013
San Francisquito 2	6480	1	Hydro	California	14.5	2015
San Gorgonio Windplant WPP1993	54454	GEN3	Wind	California	34	2011
San Onofre Nuclear Generating Station	360	2	Nuclear	California	1094	2013
San Onofre Nuclear Generating Station	360	3	Nuclear	California	1080	2013
Sanford	620	PSN3	O/G Steam	Florida	138	2012
Savannah River Site Biomass Cogeneration	57138	HRSG1	Biomass	South Carolina	9	2011
Savannah River Site Biomass Cogeneration	57138	HRSG2	Biomass	South Carolina	9	2011
SBD 9801 Aegon Martha's Way	56072	1	Combustion Turbine	Iowa	1	2012
Scattergood	404	3	O/G Steam	California	445	2016
Scholz	642	1	Coal Steam	Florida	46	2015
Scholz	642	2	Coal Steam	Florida	46	2015
Schuylkill Generating Station	3169	1	O/G Steam	Pennsylvania	166	2012
Schuylkill Generating Station	3169	IC1	Combustion Turbine	Pennsylvania	2.7	2013
Seaford	601	1	Combustion Turbine	Delaware	1.3	2011
Seaford	601	2	Combustion Turbine	Delaware	1.3	2011
Seaford	601	3	Combustion Turbine	Delaware	1.1	2011
Seaford	601	6	Combustion Turbine	Delaware	2	2011
Seaford	601	7	Combustion Turbine	Delaware	1.1	2011
Seaford Delaware Plant	10793	BLR5	O/G Steam	Delaware	9	2009
Seaford Delaware Plant	10793	GEN1	O/G Steam	Delaware	9	2009
Shawville	3131	1	Coal Steam	Pennsylvania	122	2015
Shawville	3131	2	Coal Steam	Pennsylvania	125	2015
Shawville	3131	3	Coal Steam	Pennsylvania	175	2015
Shawville	3131	4	Coal Steam	Pennsylvania	175	2015
Shelby Municipal Light Plant	2943	1	Coal Steam	Ohio	12	2012
Shelby Municipal Light Plant	2943	2	Coal Steam	Ohio	12	2012
Shelby Municipal Light Plant	2943	3	Coal Steam	Ohio	5	2012
Sierra Pacific Loyalton Facility	50111	BLR1	Biomass	California	11.8	2010
Silver Lake	2008	1	Coal Steam	Minnesota	9.6	2016
Silver Lake	2008	2	Coal Steam	Minnesota	14.3	2016
Silver Lake	2008	3	Coal Steam	Minnesota	23.5	2016
Silver Lake	2008	4	Coal Steam	Minnesota	57	2016
Small Hydro of Texas	55000	1	Hydro	Texas	0.4	2015
Small Hydro of Texas	55000	2	Hydro	Texas	0.4	2015
Small Hydro of Texas	55000	3	Hydro	Texas	0.4	2015
Smart Papers LLC	50247	B010	Coal Steam	Ohio	26	2012
Smart Papers LLC	50247	B020	Coal Steam	Ohio	15.1	2012

Plant Name	ORIS Plant Code	Unit ID	Plant Type	State Name	Capacity (MW)	Retirement Year
Smart Papers LLC	50247	B022	Coal Steam	Ohio	4.5	2012
Solar Photovoltaic Project #01	56976	S1A	Solar PV	California	0.5	2011
Solar Photovoltaic Project #01	56976	S1B	Solar PV	California	0.5	2011
Solar Photovoltaic Project #01	56976	S1C	Solar PV	California	0.5	2011
Solar Photovoltaic Project #01	56976	S1D	Solar PV	California	0.5	2011
Somerset Station	1613	6	Coal Steam	Massachusetts	109	2012
South Barrington Electric	55594	1	Landfill Gas	Illinois	0.8	2012
South Barrington Electric	55594	2	Landfill Gas	Illinois	0.8	2012
Stafford	1325	1	Combustion Turbine	Kansas	0.9	2011
Stallings	895	1	Combustion Turbine	Illinois	20.5	2013
Stallings	895	2	Combustion Turbine	Illinois	20.5	2013
Stallings	895	3	Combustion Turbine	Illinois	20.5	2013
Stallings	895	4	Combustion Turbine	Illinois	20.5	2013
State St Generating	7970	1	Combustion Turbine	Michigan	1.8	2012
State St Generating	7970	2	Combustion Turbine	Michigan	1.8	2012
State St Generating	7970	3	Combustion Turbine	Michigan	1.8	2012
State St Generating	7970	4	Combustion Turbine	Michigan	1.8	2012
State St Generating	7970	5	Combustion Turbine	Michigan	1.8	2012
State St Generating	7970	6	Combustion Turbine	Michigan	1.8	2012
State St Generating	7970	7	Combustion Turbine	Michigan	1.8	2012
State St Generating	7970	8	Combustion Turbine	Michigan	1.8	2012
State St Generating	7970	9	Combustion Turbine	Michigan	1.8	2012
Steamboat 1	50763	OE11	Geothermal	Nevada	0.9	2015
Steamboat 1	50763	OE12	Geothermal	Nevada	0.9	2015
Steamboat 1	50763	OE13	Geothermal	Nevada	0.9	2015
Steamboat 1	50763	OE14	Geothermal	Nevada	0.9	2015
Steamboat 1	50763	OE21	Geothermal	Nevada	0.9	2015
Steamboat 1	50763	OE22	Geothermal	Nevada	0.9	2015
Steamboat 1	50763	OE23	Geothermal	Nevada	0.9	2015
Steamboat 1A Power Plant	52138	DE32	Geothermal	Nevada	0.9	2015
Sterlington	1404	10	O/G Steam	Louisiana	212	2012
Sunbury Generation LP	3152	1A	Coal Steam	Pennsylvania	41	2014
Sunbury Generation LP	3152	1B	Coal Steam	Pennsylvania	41	2014
Sunbury Generation LP	3152	2A	Coal Steam	Pennsylvania	41	2014
Sunbury Generation LP	3152	2B	Coal Steam	Pennsylvania	41	2014
Sunbury Generation LP	3152	3	Coal Steam	Pennsylvania	90	2014
Sunbury Generation LP	3152	4	Coal Steam	Pennsylvania	128	2014
Sunrise	2326	1	O/G Steam	Nevada	80	2011
Sunrise	2326	2	Combustion Turbine	Nevada	69	2011
Sutherland	2306	2	Combustion Turbine	Nebraska	0.9	2009
Swift 2	6265	21	Hydro	Washington	34	2015

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Taconite Harbor Energy Center	10075	3	Coal Steam	Minnesota	76	2015
Tangier	6390	3	Combustion Turbine	Virginia	0.6	2015
Tangier	6390	4	Combustion Turbine	Virginia	0.8	2015
Tanners Creek	988	U1	Coal Steam	Indiana	145	2015
Tanners Creek	988	U2	Coal Steam	Indiana	145	2015
Tanners Creek	988	U3	Coal Steam	Indiana	200	2015
Teche	1400	2	O/G Steam	Louisiana	33	2011
Tecumseh Energy Center	1252	1	Combustion Turbine	Kansas	18	2012
Tecumseh Energy Center	1252	2	Combustion Turbine	Kansas	19	2012
Thermo No 1	57353	1	Geothermal	Utah	7.6	2013
Thomas C Ferguson	4937	1	O/G Steam	Texas	420	2013
Thousand Springs	820	1	Hydro	Idaho	0.8	2015
Thousand Springs	820	2	Hydro	Idaho	0.8	2015
Tillotson Rubber	50095	HG1	Hydro	New Hampshire	0.1	2011
Tillotson Rubber	50095	IC1	Combustion Turbine	New Hampshire	0.4	2012
Tillotson Rubber	50095	IC2	Combustion Turbine	New Hampshire	0.6	2012
Tillotson Rubber	50095	TG2	Biomass	New Hampshire	0.6	2012
Tillotson Rubber	50095	TGI	Biomass	New Hampshire	0.7	2012
Titus	3115	1	Coal Steam	Pennsylvania	81	2013
Titus	3115	2	Coal Steam	Pennsylvania	81	2013
Titus	3115	3	Coal Steam	Pennsylvania	81	2013
TMC LLC	10347	GEN1	Biomass	Florida	7.5	2012
Tracy	2336	1	O/G Steam	Nevada	53	2013
Tracy	2336	2	O/G Steam	Nevada	83	2016
Tracy	2336	GT1	Combustion Turbine	Nevada	10	2010
Tracy	2336	GT2	Combustion Turbine	Nevada	10	2010
Tradinghouse	3506	1	O/G Steam	Texas	565	2010
Tradinghouse	3506	2	O/G Steam	Texas	818	2008
Trenton Diesel	2163	4	Combustion Turbine	Missouri	0.9	2011
Trenton Diesel	2163	5	Combustion Turbine	Missouri	1	2011
Trigen Syracuse Energy	50651	2	Coal Steam	New York	24.6	2013
Trigen Syracuse Energy	50651	3	Coal Steam	New York	24.6	2013
Trigen Syracuse Energy	50651	4	Coal Steam	New York	12.3	2013
Trigen Syracuse Energy	50651	5	Coal Steam	New York	12.3	2013
Tulsa	2965	1403	O/G Steam	Oklahoma	65	2012
Turkey Point	621	PTP2	O/G Steam	Florida	392	2013
Two Elk Generating Station	55360	GEN1	Coal Steam	Wyoming	275	2016
Two Harbors	2016	3	Combustion Turbine	Minnesota	1.9	2012
TXU Sweetwater Generating Plant	50615	GT01	Combined Cycle	Texas	41	2009
TXU Sweetwater Generating Plant	50615	GT02	Combined Cycle	Texas	86	2009
TXU Sweetwater Generating Plant	50615	GT03	Combined Cycle	Texas	86	2009

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Ty Cooke	3602	GT1	Combustion Turbine	Texas	11	2012
Tyrone	1361	5	Coal Steam	Kentucky	71	2013
Union Carbide Seadrift Cogen	50150	IGT	Combined Cycle	Texas	12	2015
United Cogen	50104	G-1	Combined Cycle	California	22	2012
United Cogen	50104	G-2	Combined Cycle	California	7	2012
Upper Androscoggin	54202	2	Hydro	Maine	0.5	2015
Valley Road	6530	1	Combustion Turbine	Nevada	2	2011
Valley Road	6530	2	Combustion Turbine	Nevada	2	2011
Valley Road	6530	3	Combustion Turbine	Nevada	2	2011
Venice	913	GT1	Combustion Turbine	Illinois	26	2012
Vermilion	897	1	Coal Steam	Illinois	62	2012
Vermilion	897	2	Coal Steam	Illinois	99	2012
Vermilion	897	3	Combustion Turbine	Illinois	10	2011
Vermont Yankee	3751	1	Nuclear	Vermont	620.3	2014
Viaduct	2096	1	Combustion Turbine	Missouri	26	2011
Victoria	3443	5	Combined Cycle	Texas	125	2005
Viking Energy of Northumberland	50771	B1	Biomass	Pennsylvania	16.2	2012
W N Clark	462	55	Coal Steam	Colorado	17.6	2013
W N Clark	462	59	Coal Steam	Colorado	24.9	2013
Walter C Beckjord	2830	1	Coal Steam	Ohio	94	2015
Walter C Beckjord	2830	2	Coal Steam	Ohio	94	2013
Walter C Beckjord	2830	3	Coal Steam	Ohio	128	2013
Walter C Beckjord	2830	4	Coal Steam	Ohio	150	2014
Walter C Beckjord	2830	5	Coal Steam	Ohio	238	2014
Walter C Beckjord	2830	6	Coal Steam	Ohio	414	2015
Walter C Beckjord	2830	GT1	Combustion Turbine	Ohio	47	2014
Walter C Beckjord	2830	GT2	Combustion Turbine	Ohio	47	2014
Walter C Beckjord	2830	GT3	Combustion Turbine	Ohio	47	2014
Walter C Beckjord	2830	GT4	Combustion Turbine	Ohio	47	2014
Wanapum	3888	1	Hydro	Washington	97	2012
Wanapum	3888	10	Hydro	Washington	112	2014
Wanapum	3888	2	Hydro	Washington	97	2012
Wanapum	3888	5	Hydro	Washington	97	2011
Wanapum	3888	7	Hydro	Washington	115	2010
Wanapum	3888	8	Hydro	Washington	112	2013
Ware Energy	50419	GEN1	Biomass	Massachusetts	8.7	2012
Washington Parish Energy Center	55486	CTG1	Combined Cycle	Louisiana	172	2016
Washington Parish Energy Center	55486	CTG2	Combined Cycle	Louisiana	172	2016
Washington Parish Energy Center	55486	ST1	Combined Cycle	Louisiana	215	2016
Water Filter Plant #2	55534	3516	Combustion Turbine	North Carolina	1.3	2013
Watts Bar Fossil	3419	A	Coal Steam	Tennessee	56	1985

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Watts Bar Fossil	3419	B	Coal Steam	Tennessee	56	1985
Watts Bar Fossil	3419	C	Coal Steam	Tennessee	56	1985
Watts Bar Fossil	3419	D	Coal Steam	Tennessee	56	1985
Webbers Falls	2987	3	Hydro	Oklahoma	23	2015
Welsh	6139	2	Coal Steam	Texas	528	2014
Werner	2385	GT1	Combustion Turbine	New Jersey	53	2015
Werner	2385	GT2	Combustion Turbine	New Jersey	53	2015
Werner	2385	GT3	Combustion Turbine	New Jersey	53	2015
Werner	2385	GT4	Combustion Turbine	New Jersey	53	2015
West Liberty	1200	1	Combustion Turbine	Iowa	0.7	2011
Western Renewable Energy	56358	1	Biomass	Arizona	2.5	2015
Weston	4078	1	Coal Steam	Wisconsin	58	2015
Wilbur East Power Plant	10370	CB1302	Coal Steam	California	18.1	2012
Wilbur West Power Plant	10369	CB1302	Coal Steam	California	18.2	2012
Will County	884	3	Coal Steam	Illinois	251	2015
Williston	2791	2	Combustion Turbine	North Dakota	4.7	2012
Williston	2791	3	Combustion Turbine	North Dakota	4.9	2012
Wilson	6258	IC1	Combustion Turbine	Georgia	2.5	2013
Winnebago County Landfill Gas	50936	EG1	Landfill Gas	Wisconsin	0.9	2014
Winnebago County Landfill Gas	50936	EG2	Landfill Gas	Wisconsin	0.9	2014
Winnebago County Landfill Gas	50936	EG3	Landfill Gas	Wisconsin	0.9	2014
Winnebago County Landfill Gas	50936	EG4	Landfill Gas	Wisconsin	1	2014
Winnebago County Landfill Gas	50936	EG5	Landfill Gas	Wisconsin	1.4	2014
Winnemucca	6533	1	Combustion Turbine	Nevada	15	2011
Winsor Dam Power Station	10826	WINS	Hydro	Massachusetts	0.6	1991
Wisconsin Rapids	3974	6	Hydro	Wisconsin	0.3	2015
Wisconsin Rapids	3974	8	Hydro	Wisconsin	0.3	2015
Wiscoy 170	2646	1	Hydro	New York	0.6	2015
Wiscoy 170	2646	2	Hydro	New York	0.4	2015
Wood River	898	1	O/G Steam	Illinois	39	2012
Wood River	898	2	O/G Steam	Illinois	39	2012
Wood River	898	3	O/G Steam	Illinois	39	2012
Woodward	2958	GT1	Combustion Turbine	Oklahoma	9.5	2012
Worcester Energy	10165	1	Biomass	Maine	5.7	2015
Worcester Energy	10165	2	Biomass	Maine	5.7	2015
Worcester Energy	10165	3	Biomass	Maine	5.7	2015
Wythe Park Power Petersburg Plant	54045	1	Fossil Waste	Virginia	3	2013
Yates	728	4	Coal Steam	Georgia	133	2015
Yates	728	5	Coal Steam	Georgia	135	2015
Yates	728	Y1BR	Coal Steam	Georgia	97	2015
Yates	728	Y2BR	Coal Steam	Georgia	103	2015

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Yates	728	Y3BR	Coal Steam	Georgia	111	2015
Yorktown	3809	2	Coal Steam	Virginia	164	2014
Yuma	524	3	Combustion Turbine	Colorado	0.2	2015