

IOWA ENERGY PLAN

APPENDIX D: *Assessment of Iowa's Energy Position: Geographic Analysis*

**Collaborate locally.
Grow sustainably.
Lead nationally.**

IOWA ENERGY PLAN IS A JOINT INITIATIVE BETWEEN



Prepared by TEconomy Partners, LLC.

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I. POWER PLANTS IN IOWA BY CAPACITY

A. Introduction

This report is issued as an addendum to TEconomy Partners LLC report of February 2016 titled “*White Paper: Preliminary Assessment of Iowa’s Energy Position.*” Multiple reviewers and working group members requested further detail than was contained in the original White Paper regarding the structure and geography of Iowa’s power generation and energy infrastructure system. This addendum to the report provides:

- An overview of the largest power generation plants in Iowa and their city/county locations
- Summary data for all power plants in the state divided by their primary fuel source
- Additional information on energy infrastructure in regards to major electricity transmission lines, pipelines, and overall resource potentials in Iowa for wind, solar and solid biomass.

The U.S. Energy Information Administration’s “Energy Mapping System” is the primary source of the information, with custom analysis and reporting developed by TEconomy Partners, LLC.

B. Power Plants with Total Net Summer Capacity >500 MW

The largest power plants in Iowa, those with over 500 MW of generation, all use conventional fossil fuels (primarily coal) except for the Duane Arnold nuclear power plant in Cerro Gordo county.

Table 1. Power Plants by Capacity

Plant	Operator	City	County	Sector	Technology	Primary Fuel	Total Net Summer Capacity
Walter Scott Jr Energy Center	MidAmerican Energy Co	Council Bluffs	Pottawattamie	Electric Utility	Conventional Steam Coal	Coal	1,517.3 MW
George Neal North	MidAmerican Energy Co	Sergeant Bluff	Woodbury	Electric Utility	Conventional Steam Coal	Coal	918 MW
Ottumwa	Interstate Power and Light Co	Ottumwa	Wapello	Electric Utility	Conventional Steam Coal	Coal	746.3 MW
Louisa	MidAmerican Energy Co	Muscatine	Louisa	Electric Utility	Conventional Steam Coal	Coal	746.2 MW
George Neal South	MidAmerican Energy Co	Salix	Woodbury	Electric Utility	Conventional Steam Coal	Coal	644 MW
Duane Arnold Energy Center	NextEra Energy Duane Arnold LLC	Palo	Linn	IPP Non-CHP	Nuclear	Nuclear	601.4 MW
Emery Station	Interstate Power and Light Co	Clear Lake	Cerro Gordo	Electric Utility	Natural Gas Fired Combined Cycle	Natural Gas	515 MW



Figure 1. County Locations of the Largest Power Generating Plants in Iowa (>500 MW)

C. Plants with Total Net Summer Capacity 250-500 MW

In the second largest generation capacity category (plants with between 250-500MW) Iowa's leadership in wind power generation comes into play with more than half the plants in this category now being wind power operations.

Plant	Operator	City	County	Sector	Technology	Primary Fuel	Total net Summer Capacity
Greater Des Moines	MidAmerican Energy Co	Pleasant Hill	Polk	Electric Utility	Natural Gas Fired Combined Cycle	Natural Gas	492.6 MW
Plant Code: 58883	MidAmerican Energy Co Utility ID: 12341	Primghar	O'Brien	Electric Utility	Onshore Wind Turbine	Wind	448.3 MW
Plant Code: 57501	MidAmerican Energy Co	Massena	Cass	Electric Utility	Onshore Wind Turbine	Wind	443.9 MW
Plant Code: 56797	Utility ID: 55992	McIntire	Mitchell	IPP Non-CHP	Onshore Wind Turbine	Wind	300 MW
Archer Daniels Midland Cedar Rapids	Archer Daniels Midland Co	Cedar Rapids	Linn	Industrial CHP	Conventional Steam Coal	Coal	260 MW
Plant Code: 56501	MidAmerican Energy Co	Fonda	Pocahontas	Electric Utility	Onshore Wind Turbine	Wind	286.4 MW
Burlington (IA)	Interstate Power and Light Co	Burlington	Des Moines	Electric Utility	Conventional Steam Coal; Natural Gas Fired Combustion Turbine;	Coal	268.3 MW Coal = 210 MW, Natural Gas = 58.3 MW

Plant	Operator	City	County	Sector	Technology	Primary Fuel	Total net Summer Capacity
Plant Code: 58884	MidAmerican Energy Co	Otho	Webster	Electric Utility	Onshore Wind Turbine	Wind	251 MW

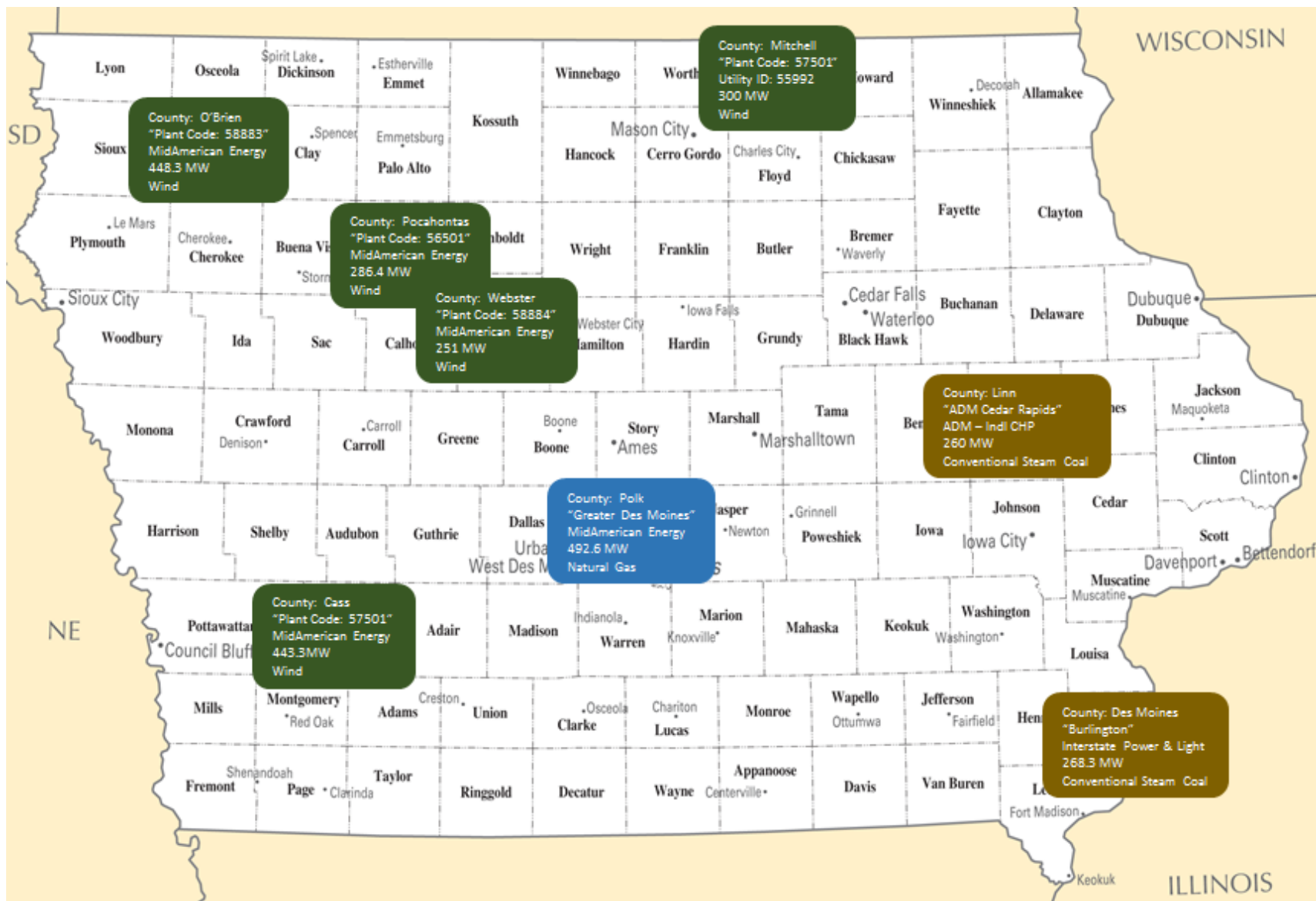


Figure 2. County Locations of Power Generating Plants in Iowa with Between 250-500 MW Capacity

D. Plants with Total Net Summer Capacity 100-249 MW

The third category of major power plants in Iowa contains plants with a capacity of between 100 and 249.9 MW of generation. Again, the strength of wind power generation in Iowa is evident with 20 out of the 35 plants listed using wind power. Natural gas is the next most used with eight plants out of the 35, followed by coal with five.

Plant	Operator	City	County	Sector	Technology	Primary Fuel	Total net Summer Capacity
Lansing	Interstate Power and Light Co. Utility ID: 9417	Lansing	Allamakee	Electric Utility	Conventional Steam Coal	Coal	249.4 MW
Muscatine Plant #1	Board of Water Electric & Communications	Muscatine	Muscatine	Electric Utility	Conventional Steam Coal	Coal	230.7 MW
Milton L Kapp	Interstate Power and Light Co	Clinton	Clinton	Electric Utility	Natural Gas Steam Turbine	Natural Gas	204.1 MW
Plant Code: 56252	MidAmerican Energy Co	Blairsburg	Hamilton	Electric Utility	Onshore Wind Turbine	Wind	200 MW
Plant Code: 57873	MidAmerican Energy Co	Adair	Guthrie	Electric Utility	Onshore Wind Turbine	Wind	200 MW
Plant Code: 56925	Utility ID: 56124	Britt	Hancock	IPP Non-CHP	Onshore Wind Turbine	Wind	200 MW
Plant Code: 56355	Utility ID: 9417	Iowa Falls	Franklin	Electric Utility	Onshore Wind Turbine	Wind	199.7 MW
Electrifarm	MidAmerican Energy Co	Waterloo	Black Hawk	Electric Utility	Natural Gas Fired Combustion Turbine	Natural Gas	195.1 MW
Archer Daniels Midland Clinton	Archer Daniels Midland Co	Clinton	Clinton	Industrial CHP	Conventional Steam Coal	Coal	180 MW

Plant	Operator	City	County	Sector	Technology	Primary Fuel	Total net Summer Capacity
Plant Code: 56251	MidAmerican Energy Co	Schaller	Buena Vista	Electric Utility	Onshore Wind Turbine	Wind	175.5 MW
Plant Code: 56810	MidAmerican Energy Co	Adair	Adair	Electric Utility	Onshore Wind Turbine	Wind	174.8 MW
Prairie Creek	Interstate Power and Light Co. Utility ID: 9417	Cedar Rapids	Linn	Electric Utility	Conventional Steam Coal	Coal	164.2 MW
Plant Code: 56765	Utility ID: 15399	Kensett	Worth	IPP Non-CHP	Onshore Wind Turbine	Wind	160 MW
Pleasant Hill	MidAmerican Energy Co	Pleasant Hill	Polk	Electric Utility	Natural Gas Fired Combustion Turbine	Natural Gas	160 MW
Marshall-town	Interstate Power and Light Co	Marshall-town	Marshall	Electric Utility	Petroleum Liquids	Petrol-eum	154.5 MW
Plant Code: 56811	MidAmerican Energy Co	Walnut	Pottawa-ttamie	Electric Utility	Onshore Wind Turbine	Wind	153 MW
Plant Code: 57874	MidAmerican Energy Co	Marshall-town	Marshall	Electric Utility	Onshore Wind Turbine	Wind	150.2 MW
Plant Code: 56809	MidAmerican Energy Co	Carroll	Carroll	Electric Utility	Onshore Wind Turbine	Wind	150 MW
Plant Code: 57469	Utility ID: 56787	Zearing	Hardin	IPP Non-CHP	Onshore Wind Turbine	Wind	150 MW
Plant Code: 56923	Utility ID: 56123	Britt	Hancock	IPP Non-CHP	Onshore Wind Turbine	Wind	150 MW

Plant	Operator	City	County	Sector	Technology	Primary Fuel	Total net Summer Capacity
Sycamore (IA)	MidAmerican Energy Co	Johnston	Polk	Electric Utility	Natural Gas Fired Combustion Turbine	Natural Gas	148.5 MW
Plant Code: 58886	MidAmerican Energy Co	Wellsburg	Grundy	Electric Utility	Onshore Wind Turbine	Wind	140.8 MW
Keokuk	Union Electric Co - (MO)	Keokuk	Lee	Electric Utility	Conventional Hydroelectric	Hydro	140.5 MW
Exira	Western Minnesota Municipal Power Agency	Brayton	Audubon	Electric Utility	Natural Gas Fired Combustion Turbine	Natural Gas	139.5 MW
Riverside	MidAmerican Energy Co	Bettendorf	Scott	Electric Utility	Conventional Steam Coal	Coal	125 MW
Plant Code: 57500	MidAmerican Energy Co	Laurel	Marshall	Electric Utility	Onshore Wind Turbine	Wind	119.6 MW
Plant Code: 58885	MidAmerican Energy Co	Macksburg	Madison	Electric Utility	Onshore Wind Turbine	Wind	119.6 MW
River Hills	MidAmerican Energy Co	Des Moines	Polk	Electric Utility	Natural Gas Fired Combustion Turbine	Natural Gas	116.9 MW
Earl F Wisdom	Com Belt Power Coop	Spencer	Clay	Electric Utility	Natural Gas Fired Combustion Turbine; Natural Gas Steam Turbine.	Natural Gas	113.5 MW

Plant	Operator	City	County	Sector	Technology	Primary Fuel	Total net Summer Capacity
Sutherland	Interstate Power and Light Co	Marshall-town	Marshall	Electric Utility	Natural Gas Steam Turbine	Natural Gas	110.7 MW
Plant Code: 54793	Utility ID: 34505	Alta	Buena Vista	IPP Non-CHP	Onshore Wind Turbine	Wind	109.4 MW
Plant Code: 57875	MidAmerican Energy Co	Adair	Adair	Electric Utility	Onshore Wind Turbine	Wind	101.2 MW
Plant Code: 57609	Utility ID: 15399	Schleswig	Crawford	IPP Non-CHP	Onshore Wind Turbine	Wind	100 MW
Plant Code: 56645	Utility ID: 55901	Harris	Osceola	IPP Non-CHP	Onshore Wind Turbine	Wind	100 MW
Plant Code: 57111	Utility ID: 56419	Lake Park	Dickinson	IPP Non-CHP	Onshore Wind Turbine	Wind	100 MW

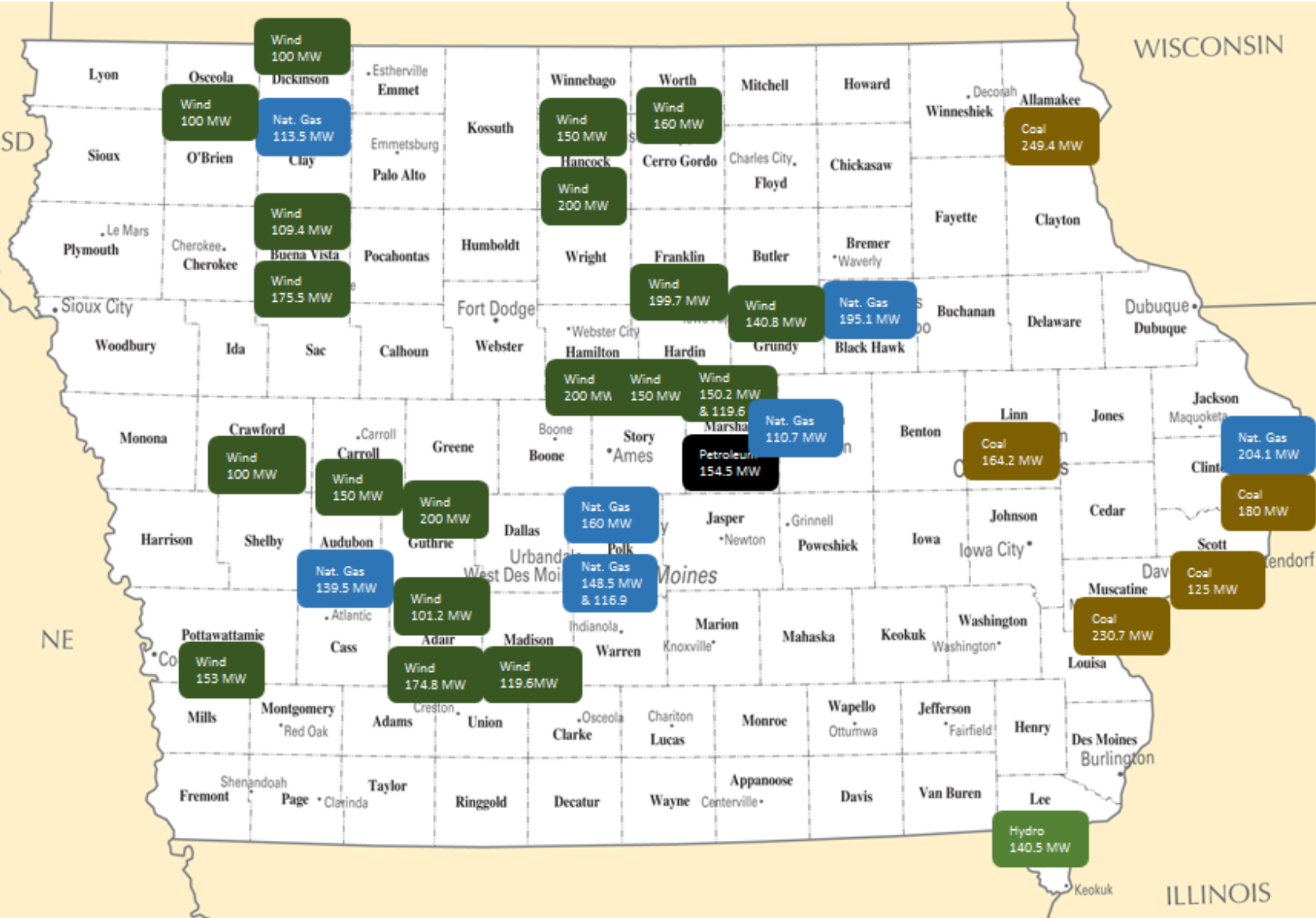


Figure 3. County Locations of Power Generating Plants in Iowa with Between 100-249.9 MW Capacity

II. POWER PLANTS BY PRIMARY FUEL

Primary Fuel	Count	Total (MW)	Maximum (MW)	Minimum (MW)	Average (MW)
Coal	18	6,252.1	1,517.3	7.5	347.3
Wind	67	5,409.7	448.3	0.7	80.7
Natural Gas	28	2,602.4	515	1	92.9
Petroleum	94	1,443.6	300	0.9	15.4
Nuclear	1	601.4	601.4	601.4	601.4
Hydro	4	258.4	140.5	1.2	64.6
Biomass	5	23.2	11.2	1	4.6
Solar	0	0	0	0	0
Geothermal	0	0	0	0	0
TOTAL	217	16,590.8	--	--	--

A. Coal

Count	Total (MW)	Maximum (MW)	Minimum (MW)	Average (MW)
18	6,252.1	1,517.3	7.5	347.3



Figure 4. Power Generation Plants Using Coal as the Primary Fuel in Iowa and Adjacent Areas
Source: United States Energy Information Administration – U.S. Energy Mapping System.

List of power generation plants in Iowa using coal as the primary fuel
(sorted in order of total net summer generating capacity)

Plant Name: Walter Scott Jr Energy Center
Plant Code: 1082
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Council Bluffs
County: Pottawattamie
Sector: Electric Utility
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 1,517.3 MW
Net Summer Capacity by Energy Source: Coal = 1517.3 MW

Plant Name: George Neal North
Plant Code: 1091
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Sergeant Bluff
County: Woodbury
Sector: Electric Utility
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 918 MW
Net Summer Capacity by Energy Source: Coal = 918 MW

Plant Name: Ottumwa
Plant Code: 6254
Utility Name: Interstate Power and Light Co
Utility ID: 9417
City: Ottumwa
County: Wapello
Sector: Electric Utility
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 746.3 MW
Net Summer Capacity by Energy Source: Coal = 746.3 MW

Plant Name: Louisa
Plant Code: 6664
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Muscatine
County: Louisa
Sector: Electric Utility
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 746.2 MW
Net Summer Capacity by Energy Source: Coal = 746.2 MW

Plant Name: George Neal South
Plant Code: 7343
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Salix
County: Woodbury
Sector: Electric Utility
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 644 MW
Net Summer Capacity by Energy Source: Coal = 644 MW

Plant Name: Burlington (IA)
Plant Code: 1104
Utility Name: Interstate Power and Light Co
Utility ID: 9417
City: Burlington
County: Des Moines
Sector: Electric Utility
Technology: Conventional Steam Coal; Natural Gas Fired Combustion Turbine;
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 268.3 MW
Net Summer Capacity by Energy Source: Coal = 210 MW, Natural Gas = 58.3 MW

Plant Name: Archer Daniels Midland Cedar Rapids
Plant Code: 10864
Utility Name: Archer Daniels Midland Co
Utility ID: 772
City: Cedar Rapids
County: Linn
Sector: Industrial CHP
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 260 MW
Net Summer Capacity by Energy Source: Coal = 260 MW

Plant Name: Lansing
Plant Code: 1047
Utility Name: Interstate Power and Light Co
Utility ID: 9417
City: Lansing
County: Allamakee
Sector: Electric Utility
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 249.4 MW
Net Summer Capacity by Energy Source: Coal = 249.4 MW

Plant Name: Muscatine Plant #1
Plant Code: 1167
Utility Name: Board of Water Electric & Communications
Utility ID: 13143
City: Muscatine
County: Muscatine
Sector: Electric Utility
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 230.7 MW
Net Summer Capacity by Energy Source: Coal = 230.7 MW

Plant Name: Archer Daniels Midland Clinton
Plant Code: 10860
Utility Name: Archer Daniels Midland Co
Utility ID: 772
City: Clinton
County: Clinton
Sector: Industrial CHP
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 180 MW
Net Summer Capacity by Energy Source: Coal = 180 MW

Plant Name: Prairie Creek
Plant Code: 1073
Utility Name: Interstate Power and Light Co
Utility ID: 9417
City: Cedar Rapids
County: Linn
Sector: Electric Utility
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 164.2 MW
Net Summer Capacity by Energy Source: Coal = 164.2 MW

Plant Name: Riverside
Plant Code: 1081
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Bettendorf
County: Scott
Sector: Electric Utility
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 125 MW
Net Summer Capacity by Energy Source: Coal = 125 MW

Plant Name: Ames Electric Services Power Plant
Plant Code: 1122
Utility Name: City of Ames - (IA)
Utility ID: 554
City: Ames
County: Story
Sector: Electric Utility
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 105.4 MW
Net Summer Capacity by Energy Source: Coal = 105.4 MW

Plant Name: Cargill Corn Milling Division
Plant Code: 10855
Utility Name: Cargill Inc North America Sweetners
Utility ID: 3106
City: Eddyville
County: Monroe
Sector: Industrial CHP
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 36.7 MW

Plant Name: University of Iowa Main Power Plant
Plant Code: 54775
Utility Name: University of Iowa
Utility ID: 19539
City: Iowa City
County: Johnson
Sector: Commercial CHP
Technology: Conventional Steam Coal; Natural Gas Internal Combustion Engine;
Petroleum Liquids
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 30.7 MW
Net Summer Capacity by Energy Source: Coal = 21 MW, Natural Gas = 8 MW,
Petroleum = 1.7 MW

Plant Name: AG Processing Inc
Plant Code: 10223
Utility Name: Ag Processing Inc
Utility ID: 109
City: Eagle Grove
County: Wright
Sector: Industrial CHP
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 8.5 MW
Net Summer Capacity by Energy Source: Coal = 8.5 MW

Plant Name: Archer Daniels Midland Des Moines
Plant Code: 10861
Utility Name: Archer Daniels Midland Co
Utility ID: 772
City: Des Moines
County: Polk
Sector: Industrial CHP
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 7.9 MW
Net Summer Capacity by Energy Source: Coal = 7.9 MW

Plant Name: University of Northern Iowa
Plant Code: 50088
Utility Name: University of Northern Iowa
Utility ID: 21223
City: Cedar Falls
County: Black Hawk
Sector: Commercial CHP
Technology: Conventional Steam Coal
Data Period: 201511
Primary Fuel: coal
Total Net Summer Capacity: 7.5 MW
Net Summer Capacity by Energy Source: Coal = 7.5 MW

B. Wind

Count	Total (MW)	Maximum (MW)	Minimum (MW)	Average (MW)
67	5,409.7	448.3	0.7	80.7

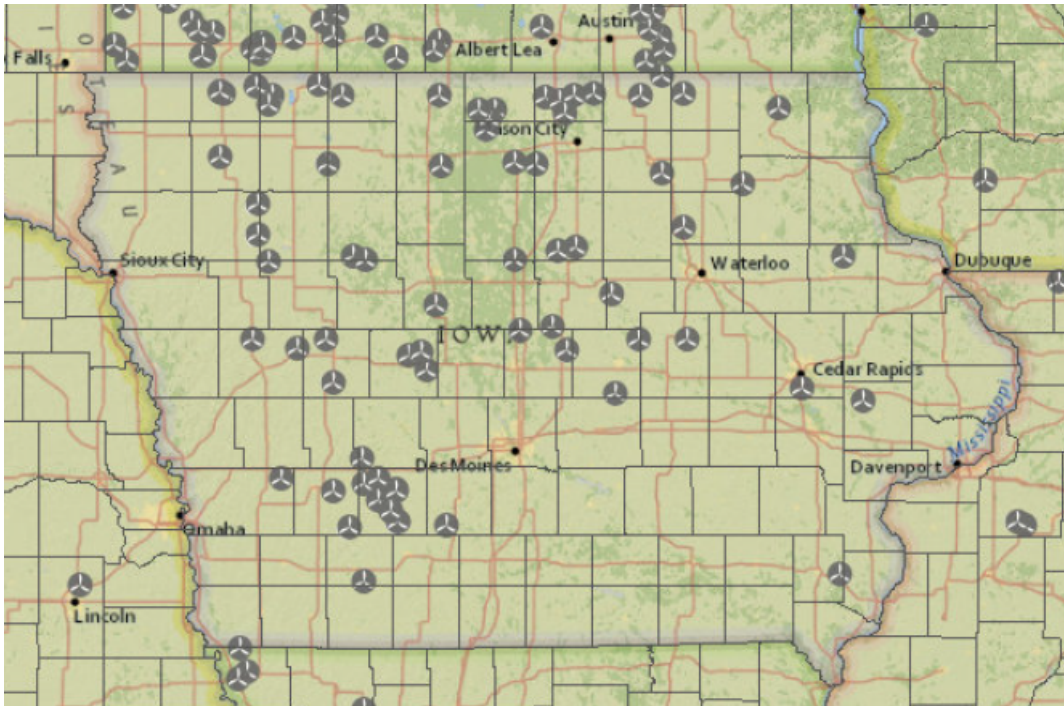


Figure 5. Power Generation Plants Using Wind as the Primary Fuel in Iowa and Adjacent Areas.
Source: United States Energy Information Administration – U.S. Energy Mapping System

List of power generation plants in Iowa using wind as the primary fuel
(sorted in order of total net summer generating capacity)

Plant Name:
Plant Code: 58883
Utility Name:
Utility ID: 12341
City: Primghar
County: O'Brien
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 448.3 MW
Net Summer Capacity by Energy Source: Wind = 448.3 MW

Plant Name:
Plant Code: 57501
Utility Name:
Utility ID: 12341
City: Massena
County: Cass
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 443.9 MW
Net Summer Capacity by Energy Source: Wind = 443.9 MW

Plant Name:
Plant Code: 56501
Utility Name:
Utility ID: 12341
City: Fonda
County: Pocahontas
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 286.4 MW
Net Summer Capacity by Energy Source: Wind = 286.4 MW

Plant Name:
Plant Code: 58884
Utility Name:
Utility ID: 12341
City: Otho
County: Webster
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 251 MW
Net Summer Capacity by Energy Source: Wind = 251 MW

Plant Name:

Plant Code: 56252

Utility Name:

Utility ID: 12341

City: Blairsburg

County: Hamilton

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 200 MW

Net Summer Capacity by Energy Source: Wind = 200 MW

Plant Name:

Plant Code: 57873

Utility Name:

Utility ID: 12341

City: Adair

County: Guthrie

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 200 MW

Net Summer Capacity by Energy Source: Wind = 200 MW

Plant Name:

Plant Code: 56925

Utility Name:

Utility ID: 56124

City: Britt

County: Hancock

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 200 MW

Net Summer Capacity by Energy Source: Wind = 200 MW

Plant Name:
Plant Code: 56355
Utility Name:
Utility ID: 9417
City: Iowa Falls
County: Franklin
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 199.7 MW
Net Summer Capacity by Energy Source: Wind = 199.7 MW

Plant Name:
Plant Code: 56251
Utility Name:
Utility ID: 12341
City: Schaller
County: Buena Vista
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 175.5 MW
Net Summer Capacity by Energy Source: Wind = 175.5 MW

Plant Name:
Plant Code: 56810
Utility Name:
Utility ID: 12341
City: Adair
County: Adair
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 174.8 MW
Net Summer Capacity by Energy Source: Wind = 174.8 MW

Plant Name:
Plant Code: 56811
Utility Name:
Utility ID: 12341
City: Walnut
County: Pottawattamie
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 153 MW
Net Summer Capacity by Energy Source: Wind = 153 MW

Plant Name:
Plant Code: 57874
Utility Name:
Utility ID: 12341
City: Marshalltown
County: Marshall
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 150.2 MW
Net Summer Capacity by Energy Source: Wind = 150.2 MW

Plant Name:
Plant Code: 56809
Utility Name:
Utility ID: 12341
City: Carroll
County: Carroll
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 150 MW
Net Summer Capacity by Energy Source: Wind = 150 MW

Plant Name:

Plant Code: 57469

Utility Name:

Utility ID: 56787

City: Zearing

County: Hardin

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 150 MW

Net Summer Capacity by Energy Source: Wind = 150 MW

Plant Name:

Plant Code: 56923

Utility Name:

Utility ID: 56123

City: Britt

County: Hancock

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 150 MW

Net Summer Capacity by Energy Source: Wind = 150 MW

Plant Name:

Plant Code: 58886

Utility Name:

Utility ID: 12341

City: Wellsburg

County: Grundy

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 140.8 MW

Net Summer Capacity by Energy Source: Wind = 140.8 MW

Plant Name:
Plant Code: 57500
Utility Name:
Utility ID: 12341
City: Laurel
County: Marshall
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 119.6 MW
Net Summer Capacity by Energy Source: Wind = 119.6 MW

Plant Name:
Plant Code: 58885
Utility Name:
Utility ID: 12341
City: Macksburg
County: Madison
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 119.6 MW
Net Summer Capacity by Energy Source: Wind = 119.6 MW

Plant Name:
Plant Code: 54793
Utility Name:
Utility ID: 34505
City: Alta
County: Buena Vista
State: Iowa
Sector: IPP Non-CHP
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 109.4 MW
Net Summer Capacity by Energy Source: Wind = 109.4 MW

Plant Name:
Plant Code: 57875
Utility Name:
Utility ID: 12341
City: Adair
County: Adair
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 101.2 MW
Net Summer Capacity by Energy Source: Wind = 101.2 MW

Plant Name:
Plant Code: 57609
Utility Name:
Utility ID: 15399
City: Schleswig
County: Crawford
State: Iowa
Sector: IPP Non-CHP
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 100 MW
Net Summer Capacity by Energy Source: Wind = 100 MW

Plant Name:
Plant Code: 56645
Utility Name:
Utility ID: 55901
City: Harris
County: Osceola
State: Iowa
Sector: IPP Non-CHP
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 100 MW
Net Summer Capacity by Energy Source: Wind = 100 MW

Plant Name:

Plant Code: 57111

Utility Name:

Utility ID: 56419

City: Lake Park

County: Dickinson

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 100 MW

Net Summer Capacity by Energy Source: Wind = 100 MW

Plant Name:

Plant Code: 56379

Utility Name:

Utility ID: 12341

City: Westside

County: Carroll

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 99 MW

Net Summer Capacity by Energy Source: Wind = 99 MW

Plant Name:

Plant Code: 57844

Utility Name:

Utility ID: 57171

City: Iowa Falls

County: Franklin

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 99 MW

Net Summer Capacity by Energy Source: Wind = 99 MW

Plant Name:

Plant Code: 56010

Utility Name:

Utility ID: 6850

City: Garner

County: Hancock

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 98 MW

Net Summer Capacity by Energy Source: Wind = 98 MW

Plant Name:

Plant Code: 55287

Utility Name:

Utility ID: 59496

City: Alta

County: Buena Vista

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 80.2 MW

Net Summer Capacity by Energy Source: Wind = 80.2 MW

Plant Name:

Plant Code: 56383

Utility Name:

Utility ID: 15399

City: Kensett

County: Worth

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 80 MW

Net Summer Capacity by Energy Source: Wind = 80 MW

Plant Name:

Plant Code: 55804

Utility Name:

Utility ID: 13808

City: Joice

County: Worth

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 80 MW

Net Summer Capacity by Energy Source: Wind = 80 MW

Plant Name:

Plant Code: 57976

Utility Name:

Utility ID: 56482

City: Pomeroy

County: Pocahontas

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 80 MW

Net Summer Capacity by Energy Source: Wind = 80 MW

Plant Name:

Plant Code: 56677

Utility Name:

Utility ID: 12341

City: Charles City

County: Floyd

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 75 MW

Net Summer Capacity by Energy Source: Wind = 75 MW

Plant Name:

Plant Code: 57468

Utility Name:

Utility ID: 56786

City: Britt

County: Winnebago

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 66 MW

Net Summer Capacity by Energy Source: Wind = 66 MW

Plant Name:

Plant Code: 57830

Utility Name:

Utility ID: 57149

City: Grand Junction

County: Greene

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 50 MW

Net Summer Capacity by Energy Source: Wind = 50 MW

Plant Name:

Plant Code: 59637

Utility Name:

Utility ID: 12341

City: Corning

County: Adams

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 46.9 MW

Net Summer Capacity by Energy Source: Wind = 46.9 MW

Plant Name:

Plant Code: 56172

Utility Name:

Utility ID: 15399

City: Lake Park

County: Dickinson

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 43.5 MW

Net Summer Capacity by Energy Source: Wind = 43.5 MW

Plant Name:

Plant Code: 55816

Utility Name:

Utility ID: 8294

City: Garner

County: Cerro Gordo

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 42 MW

Net Summer Capacity by Energy Source: Wind = 42 MW

Plant Name:

Plant Code: 57417

Utility Name:

Utility ID: 56744

City: Greeley

County: Delaware

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 40.8 MW

Net Summer Capacity by Energy Source: Wind = 40.8 MW

Plant Name:

Plant Code: 57832

Utility Name:

Utility ID: 57150

City: Sumner

County: Bremer

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 34 MW

Net Summer Capacity by Energy Source: Wind = 34 MW

Plant Name:

Plant Code: 56831

Utility Name:

Utility ID: 20860

City: Riceville

County: Howard

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 29 MW

Net Summer Capacity by Energy Source: Wind = 29 MW

Plant Name:

Plant Code: 56859

Utility Name:

Utility ID: 34505

City: Ruthven

County: Palo Alto

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 21 MW

Net Summer Capacity by Energy Source: Wind = 21 MW

Plant Name:

Plant Code: 59071

Utility Name:

Utility ID: 56990

City: Templeton

County: Carroll

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 20 MW

Net Summer Capacity by Energy Source: Wind = 20 MW

Plant Name:

Plant Code: 56764

Utility Name:

Utility ID: 15399

City: Forest City

County: Winnebago

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 20 MW

Net Summer Capacity by Energy Source: Wind = 20 MW

Plant Name:

Plant Code: 56860

Utility Name:

Utility ID: 34505

City: Jefferson

County: Greene

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 14.7 MW

Net Summer Capacity by Energy Source: Wind = 14.7 MW

Plant Name:

Plant Code: 57251

Utility Name:

Utility ID: 9425

City: Lakota

County: Kossuth

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 10.5 MW

Net Summer Capacity by Energy Source: Wind = 10.5 MW

Plant Name:

Plant Code: 57252

Utility Name:

Utility ID: 9425

City: Superior

County: Dickinson

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 10.5 MW

Net Summer Capacity by Energy Source: Wind = 10.5 MW

Plant Name:

Plant Code: 58444

Utility Name:

Utility ID: 58439

City: Dana

County: Greene

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 8 MW

Net Summer Capacity by Energy Source: Wind = 8 MW

Plant Name:

Plant Code: 58044

Utility Name:

Utility ID: 57416

City: Mechanicsville

County: Cedar

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 4.5 MW

Net Summer Capacity by Energy Source: Wind = 4.5 MW

Plant Name:

Plant Code: 56386

Utility Name:

Utility ID: 11479

City: Kensett

County: Worth

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 3.4 MW

Net Summer Capacity by Energy Source: Wind = 3.4 MW

Plant Name:

Plant Code: 57214

Utility Name:

Utility ID: 20214

City: Waverly

County: Bremer

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 2.7 MW

Net Summer Capacity by Energy Source: Wind = 2.7 MW

Plant Name:
Plant Code: 7966
Utility Name:
Utility ID: 309
City: Algona
County: Kossuth
State: Iowa
Sector: Electric Utility
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 2.3 MW
Net Summer Capacity by Energy Source: Wind = 2.3 MW

Plant Name:
Plant Code: 56216
Utility Name:
Utility ID: 56599
City: Allendorf
County: Osceola
State: Iowa
Sector: IPP Non-CHP
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 2 MW
Net Summer Capacity by Energy Source: Wind = 2 MW

Plant Name:
Plant Code: 58407
Utility Name:
Utility ID: 58389
City: Decorah
County: Winneshiek
State: Iowa
Sector: IPP Non-CHP
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 1.6 MW
Net Summer Capacity by Energy Source: Wind = 1.6 MW

Plant Name:

Plant Code: 58071

Utility Name:

Utility ID: 57444

City: Northwoods

County: Worth

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.6 MW

Net Summer Capacity by Energy Source: Wind = 1.6 MW

Plant Name:

Plant Code: 58089

Utility Name:

Utility ID: 57444

City: Manly

County: Worth

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.6 MW

Net Summer Capacity by Energy Source: Wind = 1.6 MW

Plant Name:

Plant Code: 58457

Utility Name:

Utility ID: 58445

City: Fontanelle

County: Adair

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.6 MW

Net Summer Capacity by Energy Source: Wind = 1.6 MW

Plant Name:

Plant Code: 58458

Utility Name:

Utility ID: 58446

City: Greenfield

County: Adair

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.6 MW

Net Summer Capacity by Energy Source: Wind = 1.6 MW

Plant Code: 58456

Utility Name:

Utility ID: 58444

City: Orient

County: Adair

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.6 MW

Net Summer Capacity by Energy Source: Wind = 1.6 MW

Plant Name:

Plant Code: 58461

Utility Name:

Utility ID: 58449

City: Wiota

County: Cass

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.6 MW

Net Summer Capacity by Energy Source: Wind = 1.6 MW

Plant Name:

Plant Code: 58038

Utility Name:

Utility ID: 57409

City: Little Cedar

County: Mitchell

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.5 MW

Net Summer Capacity by Energy Source: Wind = 1.5 MW

Plant Name:

Plant Code: 58414

Utility Name:

Utility ID: 13468

City: New London

County: Henry

State: Iowa

Sector: Electric Utility

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.5 MW

Net Summer Capacity by Energy Source: Wind = 1.5 MW

Plant Name:

Plant Code: 58932

Utility Name:

Utility ID: 58797

City: Traer

County: Tama

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.5 MW

Net Summer Capacity by Energy Source: Wind = 1.5 MW

Plant Name:

Plant Code: 57631

Utility Name:

Utility ID: 56962

City: Greenfield

County: Adair

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.5 MW

Net Summer Capacity by Energy Source: Wind = 1.5 MW

Plant Name:

Plant Code: 57632

Utility Name:

Utility ID: 56961

City: Orient

County: Adair

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.5 MW

Net Summer Capacity by Energy Source: Wind = 1.5 MW

Plant Name:

Plant Code: 58927

Utility Name:

Utility ID: 58795

City: Story City

County: Story

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.5 MW

Net Summer Capacity by Energy Source: Wind = 1.5 MW

Plant Name:

Plant Code: 56215

Utility Name:

Utility ID: 57202

City: Allendorf

County: Osceola

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1.4 MW

Net Summer Capacity by Energy Source: Wind = 1.4 MW

Plant Name:

Plant Code: 57257

Utility Name:

Utility ID: 56617

City: Estherville

County: Emmet

State: Iowa

Sector: Commercial Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 1 MW

Net Summer Capacity by Energy Source: Wind = 1 MW

Plant Name:

Plant Code: 59735

Utility Name:

Utility ID: 59504

City: Cedar Rapids

County: Linn

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 0.7 MW

Net Summer Capacity by Energy Source: Wind = 0.7 MW

C. Natural Gas

Count	Total (MW)	Maximum (MW)	Minimum (MW)	Average (MW)
28	2,602.4	515	1	92.9

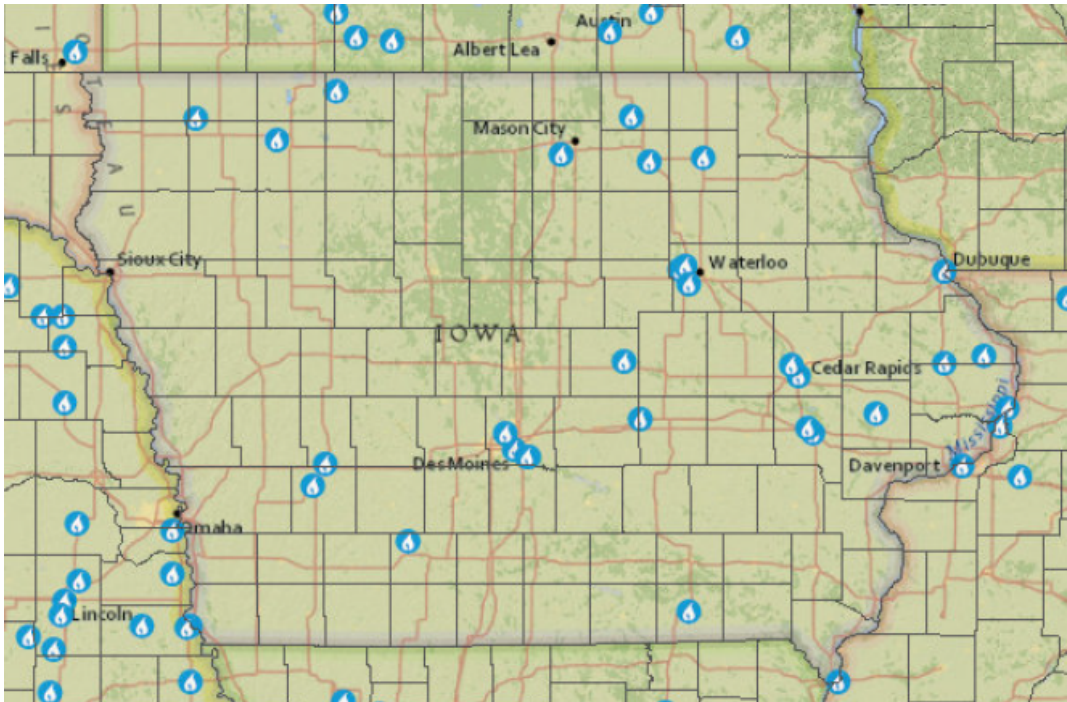


Figure 6. Power Generation Plants Using Natural Gas as the Primary Fuel in Iowa and Adjacent Areas.
Source: United States Energy Information Administration – U.S. Energy Mapping System

List of power generation plants in Iowa using natural gas as the primary fuel (sorted in order of total net summer generating capacity)

Plant Name: Emery Station
Plant Code: 8031
Utility Name: Interstate Power and Light Co
Utility ID: 9417
City: Clear Lake
County: Cerro Gordo
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combined Cycle
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 515 MW
Net Summer Capacity by Energy Source: Natural Gas = 515 MW

Plant Name: Greater Des Moines
Plant Code: 7985
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Pleasant Hill
County: Polk
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combined Cycle
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 492.6 MW
Net Summer Capacity by Energy Source: Natural Gas = 492.6 MW

Plant Name: Milton L Kapp
Plant Code: 1048
Utility Name: Interstate Power and Light Co
Utility ID: 9417
City: Clinton
County: Clinton
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Steam Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 204.1 MW
Net Summer Capacity by Energy Source: Natural Gas = 204.1 MW

Plant Name: Electrifyfarm
Plant Code: 6063
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Waterloo
County: Black Hawk
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combustion Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 195.1 MW
Net Summer Capacity by Energy Source: Natural Gas = 195.1 MW

Plant Name: Pleasant Hill
Plant Code: 7145
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Pleasant Hill
County: Polk
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combustion Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 160 MW
Net Summer Capacity by Energy Source: Natural Gas = 160 MW

Plant Name: Sycamore (IA)
Plant Code: 8029
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Johnston
County: Polk
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combustion Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 148.5 MW
Net Summer Capacity by Energy Source: Natural Gas = 148.5 MW

Plant Name: Exira
Plant Code: 56013
Utility Name: Western Minnesota Mun Pwr Agny
Utility ID: 20421
City: Brayton
County: Audubon
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combustion Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 139.5 MW
Net Summer Capacity by Energy Source: Natural Gas = 139.5 MW

Plant Name: River Hills
Plant Code: 1084
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Des Moines
County: Polk
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combustion Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 116.9 MW
Net Summer Capacity by Energy Source: Natural Gas = 116.9 MW

Plant Name: Sutherland
Plant Code: 1077
Utility Name: Interstate Power and Light Co
Utility ID: 9417
City: Marshalltown
County: Marshall
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Steam Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 110.7 MW
Net Summer Capacity by Energy Source: Natural Gas = 110.7 MW

Plant Name: Roquette America
Plant Code: 57953
Utility Name: Roquette America
Utility ID: 57332
City: Keokuk
County: Lee
State: Iowa
Sector: Industrial CHP
Technology: Natural Gas Fired Combined Cycle; Petroleum Coke;
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 80 MW
Net Summer Capacity by Energy Source: Natural Gas = 48 MW, Petroleum = 32 MW

Plant Name: Summit Lake
Plant Code: 1206
Utility Name: Central Iowa Power Cooperative
Utility ID: 3258
City: Creston
County: Union
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combined Cycle
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 75.4 MW
Net Summer Capacity by Energy Source: Natural Gas = 75.4 MW

Plant Name: Dubuque
Plant Code: 1046
Utility Name: Interstate Power and Light Co
Utility ID: 9417
City: Dubuque
County: Dubuque
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Steam Turbine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 71.8 MW

Plant Name: Streeter Station
Plant Code: 1131
Utility Name: Cedar Falls Utilities
Utility ID: 3203
City: Cedar Falls
County: Hawk Black
State: Iowa
Sector: Electric Utility
Technology: Conventional Steam Coal; Natural Gas Steam Turbine;
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 49.4 MW
Net Summer Capacity by Energy Source: Coal = 15.7 MW, Natural Gas = 33.7 MW

Plant Name: Grinnell
Plant Code: 7137
Utility Name: Interstate Power and Light Co
Utility ID: 9417
City: Grinnell
County: Poweshiek
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combustion Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 44.4 MW
Net Summer Capacity by Energy Source: Natural Gas = 44.4 MW

Plant Name: Merle Parr
Plant Code: 1097
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Charles City
County: Floyd
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combustion Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 32.6 MW
Net Summer Capacity by Energy Source: Natural Gas = 32.6 MW

Plant Name: Gas Turbine (IA)
Plant Code: 1130
Utility Name: Cedar Falls Utilities
Utility ID: 3203
City: Cedar Falls
County: Black Hawk
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combustion Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 34 MW
Net Summer Capacity by Energy Source: Natural Gas = 34 MW

Plant Name: Maquoketa 1
Plant Code: 1162
Utility Name: City of Maquoketa - (IA)
Utility ID: 11611
City: Maquoketa
County: Jackson
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Internal Combustion Engine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 22 MW
Net Summer Capacity by Energy Source: Natural Gas = 16.9 MW, Petroleum = 5.1 MW

Plant Name: New Hampton
Plant Code: 1168
Utility Name: City of New Hampton - (IA)
Utility ID: 13444
City: New Hampton
County: Chickasaw
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Internal Combustion Engine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 24.1 MW

Plant Name: Osage (IA)
Plant Code: 1172
Utility Name: City of Osage - (IA)
Utility ID: 14201
City: Osage
County: Mitchell
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Internal Combustion Engine; Petroleum Liquids; Onshore Wind Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 16.8 MW

Plant Name: Red Cedar
Plant Code: 7595
Utility Name: Interstate Power and Light Co
Utility ID: 9417
City: Cedar Rapids
County: Linn
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combustion Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 13.9 MW
Net Summer Capacity by Energy Source: Natural Gas = 13.9 MW

Plant Name: Atlantic
Plant Code: 1124
Utility Name: Atlantic Municipal Utilities
Utility ID: 965
City: Atlantic
County: Cass
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Fired Combustion Turbine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 13.8 MW
Net Summer Capacity by Energy Source: Natural Gas = 9.8 MW, Petroleum = 4 MW

Plant Name: Estherville
Plant Code: 1137
Utility Name: City of Estherville - (IA)
Utility ID: 5998
City: Estherville
County: Emmet
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Internal Combustion Engine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 13.7 MW
Net Summer Capacity by Energy Source: Natural Gas = 12.6 MW, Petroleum = 1.1 MW

Plant Name: Tipton
Plant Code: 8106
Utility Name: City of Tipton - (IA)
Utility ID: 18947
City: Tipton
County: Cedar
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Internal Combustion Engine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 8.7 MW
Net Summer Capacity by Energy Source: Natural Gas = 4.4 MW, Petroleum = 4.3 MW

Plant Name: Bloomfield
Plant Code: 1127
Utility Name: City of Bloomfield - (IA)
Utility ID: 1869
City: Bloomfield
County: Davis
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Internal Combustion Engine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 6.9 MW
Net Summer Capacity by Energy Source: Natural Gas = 6.5 MW, Petroleum = 0.4 MW

Plant Name: Otter Creek Ethanol Poet - Ashton
Plant Code: 58138
Utility Name: Otter Creek Ethanol LLC - Poet Ashton
Utility ID: 58093
City: Ashton
County: Osceola
State: Iowa
Sector: Industrial CHP
Technology: Natural Gas Fired Combustion Turbine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 5.5 MW
Net Summer Capacity by Energy Source: Natural Gas = 5.5 MW

Plant Name: Preston (IA)
Plant Code: 1176
Utility Name: City of Preston
Utility ID: 15349
City: Preston
County: Jackson
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Internal Combustion Engine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 3.2 MW
Net Summer Capacity by Energy Source: Natural Gas = 1.8 MW, Petroleum = 1.4 MW

Plant Name: Oakdale Renewable Energy Plant
Plant Code: 57672
Utility Name: University of Iowa
Utility ID: 19539
City: Coralville
County: Johnson
State: Iowa
Sector: Commercial Non-CHP
Technology: Natural Gas Internal Combustion Engine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 2.8 MW
Net Summer Capacity by Energy Source: Natural Gas = 2.8 MW

Plant Name: Alliant SBG 9802 Toyota
Plant Code: 56073
Utility Name: Industrial Energy Applications In
Utility ID: 361
City: Cedar Rapids
County: Linn
State: Iowa
Sector: IPP Non-CHP
Technology: Natural Gas Internal Combustion Engine
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 1 MW
Net Summer Capacity by Energy Source: Natural Gas = 1 MW

D. Petroleum

Count	Total (MW)	Maximum (MW)	Minimum (MW)	Average (MW)
94	1,443.6	300	0.9	15.4

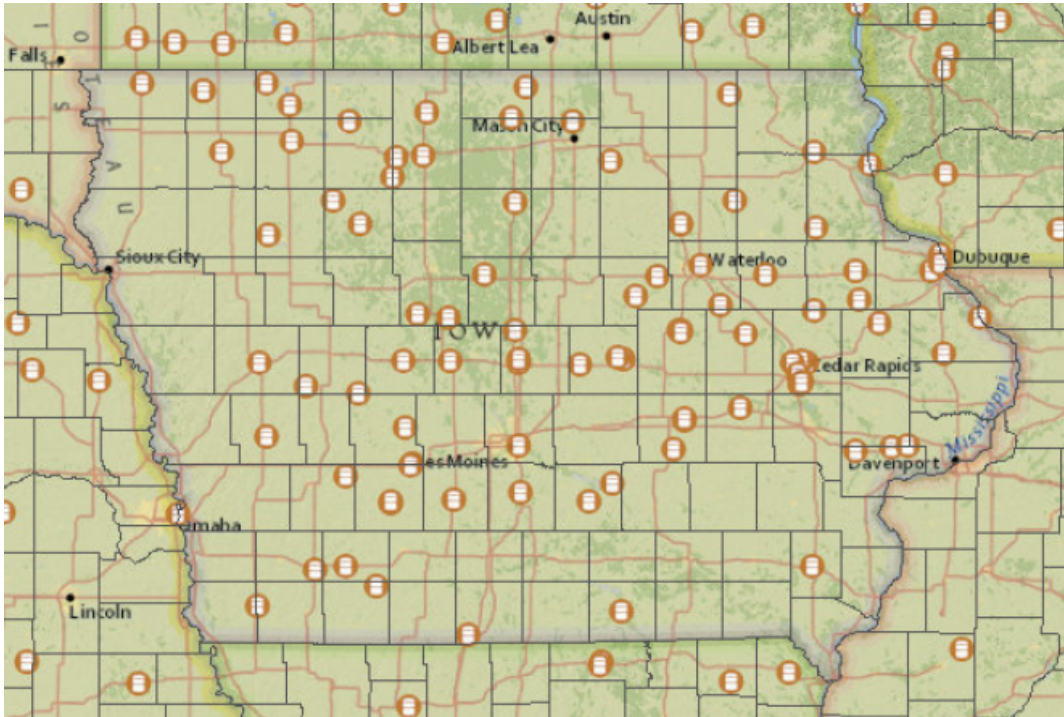


Figure 7. Power Generation Plants Using Petroleum as the Primary Fuel in Iowa and Adjacent Areas.
 Source: United States Energy Information Administration – U.S. Energy Mapping System

List of power generation plants in Iowa using petroleum as the primary fuel (sorted in order of total net summer generating capacity)

Plant Name:
Plant Code: 56797
Utility Name:
Utility ID: 55992
City: McIntire
County: Mitchell
State: Iowa
Sector: IPP Non-CHP
Technology: Onshore Wind Turbine
Data Period: August 2014
Primary Fuel: wind
Total Net Summer Capacity: 300 MW
Net Summer Capacity by Energy Source: Wind = 300 MW

Plant Name:

Plant Code: 56765

Utility Name:

Utility ID: 15399

City: Kensett

County: Worth

State: Iowa

Sector: IPP Non-CHP

Technology: Onshore Wind Turbine

Data Period: August 2014

Primary Fuel: wind

Total Net Summer Capacity: 160 MW

Net Summer Capacity by Energy Source: Wind = 160 MW

Plant Name: Marshalltown

Plant Code: 1068

Utility Name: Interstate Power and Light Co

Utility ID: 9417

City: Marshalltown

County: Marshall

State: Iowa

Sector: Electric Utility

Technology: Petroleum Liquids

Data Period: 201511

Primary Fuel: petroleum

Total Net Summer Capacity: 154.5 MW

Net Summer Capacity by Energy Source: Petroleum = 154.5 MW

Plant Name: Lime Creek

Plant Code: 7155

Utility Name: Interstate Power and Light Co

Utility ID: 9417

City: Mason City

County: Cerro Gordo

State: Iowa

Sector: Electric Utility

Technology: Petroleum Liquids

Data Period: 201511

Primary Fuel: petroleum

Total Net Summer Capacity: 71.3 MW

Net Summer Capacity by Energy Source: Petroleum = 71.3 MW

Plant Name: Centerville
Plant Code: 1105
Utility Name: Interstate Power and Light Co
Utility ID: 9417
City: Centerville
County: Appanoose
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 53.2 MW
Net Summer Capacity by Energy Source: Petroleum = 53.2 MW

Plant Name: Indianola
Plant Code: 1150
Utility Name: Indianola Municipal Utilities
Utility ID: 9275
City: Indianola
County: Warren
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 51.2 MW
Net Summer Capacity by Energy Source: Petroleum = 51.2 MW

Plant Name: Ames GT
Plant Code: 6463
Utility Name: City of Ames - (IA)
Utility ID: 554
City: Ames
County: Story
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 37.2 MW
Net Summer Capacity by Energy Source: Petroleum = 37.2 MW

Plant Name: Pella Peaking
Plant Code: 7971
Utility Name: City of Pella - (IA)
Utility ID: 14645
City: Pella
County: Marion
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 25.2 MW
Net Summer Capacity by Energy Source: Petroleum = 25.2 MW

Plant Name: Waverly Municipal Electric North Plant
Plant Code: 6554
Utility Name: Waverly Municipal Elec Utility
Utility ID: 20214
City: Waverly
County: Bremer
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Internal Combustion Engine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 25.1 MW
Net Summer Capacity by Energy Source: Natural Gas = 10.9 MW, Petroleum = 14.2 MW

Plant Name: Mt Pleasant
Plant Code: 1166
Utility Name: City of Mt Pleasant - (IA)
Utility ID: 13038
City: Mt Pleasant
County: Henry
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 24 MW
Net Summer Capacity by Energy Source: Petroleum = 24 MW

Plant Name: Forest City Light Plant
Plant Code: 1138
Utility Name: City of Forest City- (IA)
Utility ID: 6579
City: Forest City
County: Winnebago
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 21.2 MW
Net Summer Capacity by Energy Source: Petroleum = 21.2 MW

Plant Name: Webster City
Plant Code: 1198
Utility Name: City of Webster City - (IA)
Utility ID: 20259
City: Webster City
County: Hamilton
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 20.7 MW
Net Summer Capacity by Energy Source: Petroleum = 20.7 MW

Plant Name: Shenandoah
Plant Code: 7850
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Shenandoah
County: Page
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 20 MW
Net Summer Capacity by Energy Source: Petroleum = 20 MW

Plant Name: Lake Mills
Plant Code: 1154
Utility Name: City of Lake Mills
Utility ID: 10606
City: Lake Mills
County: Winnebago
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 18.5 MW
Net Summer Capacity by Energy Source: Petroleum = 18.5 MW

Plant Name: Waterloo Lundquist
Plant Code: 7851
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Waterloo
County: Black Hawk
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 18 MW
Net Summer Capacity by Energy Source: Petroleum = 18 MW

Plant Name: Spencer Gas Turbine
Plant Code: 1186
Utility Name: City of Spencer - (IA)
Utility ID: 17783
City: Spencer
County: Clay
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 17 MW
Net Summer Capacity by Energy Source: Petroleum = 17 MW

Plant Name: Vinton
Plant Code: 1194
Utility Name: City of Vinton - (IA)
Utility ID: 19865
City: Vinton
County: Benton
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 17.1 MW
Net Summer Capacity by Energy Source: Petroleum = 17.1 MW

Plant Name: NCAH Central Utility Plant
Plant Code: 58265
Utility Name: National Centers for Animal Health
Utility ID: 58247
City: Ames
County: Story
State: Iowa
Sector: Commercial CHP
Technology: Natural Gas Fired Combustion Turbine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 16.5 MW
Net Summer Capacity by Energy Source: Natural Gas = 4 MW, Petroleum = 12.5 MW

Plant Name: Algona
Plant Code: 1120
Utility Name: City of Algona - (IA)
Utility ID: 309
City: Algona
County: Kossuth
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 16.1 MW
Net Summer Capacity by Energy Source: Petroleum = 16.1 MW

Plant Name: Alliant SBD 9106 Rockwell CR
Plant Code: 54717
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Cedar Rapids
County: Linn
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 16 MW
Net Summer Capacity by Energy Source: Petroleum = 16 MW

Plant Name: Knoxville Industrial
Plant Code: 7849
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Knoxville
County: Marion
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 16 MW
Net Summer Capacity by Energy Source: Petroleum = 16 MW

Plant Name: West Liberty
Plant Code: 1200
Utility Name: City of West Liberty - (IA)
Utility ID: 20380
City: West Liberty
County: Muscatine
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 14.8 MW
Net Summer Capacity by Energy Source: Petroleum = 14.8 MW

Plant Name: Winterset
Plant Code: 1203
Utility Name: City of Winterset - (IA)
Utility ID: 20835
City: Winterset
County: Madison
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 13.6 MW
Net Summer Capacity by Energy Source: Petroleum = 13.6 MW

Plant Name: Story City
Plant Code: 1188
Utility Name: City of Story City - (IA)
Utility ID: 18177
City: Story City
County: Story
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 13.5 MW
Net Summer Capacity by Energy Source: Petroleum = 13.5 MW

Plant Name: Alliant SBD 9107 JBS USA
Plant Code: 54715
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Marshalltown
County: Marshall
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 11.4 MW
Net Summer Capacity by Energy Source: Petroleum = 11.4 MW

Plant Name: Lamoni Municipal Utilities
Plant Code: 1155
Utility Name: City of Lamoni - (IA)
Utility ID: 10650
City: Lamoni
County: Decatur
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 10 MW
Net Summer Capacity by Energy Source: Petroleum = 10 MW

Plant Name: Montezuma
Plant Code: 1165
Utility Name: City of Montezuma - (IA)
Utility ID: 12839
City: Montezuma
County: Poweshiek
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Internal Combustion Engine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 9.4 MW
Net Summer Capacity by Energy Source: Natural Gas = 3.9 MW, Petroleum = 5.5 MW

Plant Name: Wilton
Plant Code: 1202
Utility Name: City of Wilton
Utility ID: 20789
City: Wilton
County: Muscatine
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 9.2 MW
Net Summer Capacity by Energy Source: Petroleum = 9.2 MW

Plant Name: Grundy Center City Light Plant
Plant Code: 1145
Utility Name: Grundy Center Mun Light & Power
Utility ID: 7743
City: Grundy Center
County: Grundy
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 8.7 MW
Net Summer Capacity by Energy Source: Petroleum = 8.7 MW

Plant Name: John Deere Dubuque Works
Plant Code: 54414
Utility Name: John Deere Dubuque Works
Utility ID: 9765
City: Dubuque
County: Dubuque
State: Iowa
Sector: Industrial Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 8.4 MW
Net Summer Capacity by Energy Source: Petroleum = 8.4 MW

Plant Name: Laurens
Plant Code: 1157
Utility Name: City of Laurens - (IA)
Utility ID: 10769
City: Laurens
County: Pocahontas
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 8.3 MW
Net Summer Capacity by Energy Source: Petroleum = 8.3 MW

Plant Name: North
Plant Code: 7856
Utility Name: City of Greenfield - (IA)
Utility ID: 7626
City: Greenfield
County: Adair
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 8 MW
Net Summer Capacity by Energy Source: Petroleum = 8 MW

Plant Name: Manning
Plant Code: 1160
Utility Name: City of Manning
Utility ID: 11581
City: Manning
County: Carroll
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 7.9 MW
Net Summer Capacity by Energy Source: Petroleum = 7.9 MW

Plant Name: Bellevue
Plant Code: 1126
Utility Name: City of Bellevue - (IA)
Utility ID: 1515
City: Bellevue
County: Jackson
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 7.5 MW
Net Summer Capacity by Energy Source: Petroleum = 7.5 MW

Plant Name: Corning
Plant Code: 1134
Utility Name: City of Corning - (IA)
Utility ID: 4375
City: Corning
County: Adams
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 6.8 MW
Net Summer Capacity by Energy Source: Petroleum = 6.8 MW

Plant Name: Milford
Plant Code: 1164
Utility Name: City of Milford - (IA)
Utility ID: 12541
City: Milford
County: Dickinson
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 6.5 MW
Net Summer Capacity by Energy Source: Petroleum = 6.5 MW

Plant Name: State Center
Plant Code: 1187
Utility Name: City of State Center - (IA)
Utility ID: 18014
City: State Center
County: Marshall
State: Iowa
Sector: Electric Utility
Technology: Natural Gas Internal Combustion Engine; Petroleum Liquids;
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 6.3 MW
Net Summer Capacity by Energy Source: Natural Gas = 2.5 MW, Petroleum = 3.8 MW

Plant Name: Durant
Plant Code: 6220
Utility Name: City of Durant - (IA)
Utility ID: 5529
City: Durant
County: Cedar
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 6.5 MW
Net Summer Capacity by Energy Source: Petroleum = 6.5 MW

Plant Name: West Bend
Plant Code: 1199
Utility Name: City of West Bend
Utility ID: 20364
City: West Bent
County: Palo Alto
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 6.4 MW
Net Summer Capacity by Energy Source: Petroleum = 6.4 MW

Plant Name: Alliant SBD0201 Penford Produc
Plant Code: 55996
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Cedar Rapids
County: Linn
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 6.1 MW
Net Summer Capacity by Energy Source: Petroleum = 6.1 MW

Plant Name: Alliant SBD 9203 Profol
Plant Code: 54719
Utility Name: American Profol Incorporated
Utility ID: 56189
City: Cedar Rapids
County: Linn
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 5.6 MW
Net Summer Capacity by Energy Source: Petroleum = 5.6 MW

Plant Name: Alliant SBD 8602 Marion Sub
Plant Code: 54716
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Marion
County: Linn
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 5.6 MW
Net Summer Capacity by Energy Source: Petroleum = 5.6 MW

Plant Name: Sumner
Plant Code: 1191
Utility Name: City of Sumner - (IA)
Utility ID: 18301
City: Sumner
County: Bremer
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 5.5 MW
Net Summer Capacity by Energy Source: Petroleum = 5.5 MW

Plant Name: Greenfield
Plant Code: 1144
Utility Name: City of Greenfield - (IA)
Utility ID: 7626
City: Greenfield
County: Adair
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 5.5 MW
Net Summer Capacity by Energy Source: Petroleum = 5.5 MW

Plant Code: 54968
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Belmond
County: Wright
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 5.4 MW
Net Summer Capacity by Energy Source: Petroleum = 5.4 MW

Plant Name: La Porte
Plant Code: 1156
Utility Name: La Porte City Utilities
Utility ID: 10542
City: La Porte City
County: Black Hawk
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 5.4 MW
Net Summer Capacity by Energy Source: Petroleum = 5.4 MW

Plant Name: Coon Rapids II
Plant Code: 7847
Utility Name: City of Coon Rapids
Utility ID: 4305
City: Coon Rapids
County: Carroll
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 5.1 MW
Net Summer Capacity by Energy Source: Petroleum = 5.1 MW

Plant Name: Maquoketa 2
Plant Code: 7921
Utility Name: City of Maquoketa - (IA)
Utility ID: 11611
City: Maquoketa
County: Jackson
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 5.1 MW
Net Summer Capacity by Energy Source: Petroleum = 5.1 MW

Plant Name: Cascade
Plant Code: 1129
Utility Name: Cascade Municipal Utilities
Utility ID: 3137
City: Cascade
County: Jones
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4.9 MW
Net Summer Capacity by Energy Source: Petroleum = 4.9 MW

Plant Name: Sibley One
Plant Code: 1184
Utility Name: City of Sibley - (IA)
Utility ID: 17141
City: Sibley
County: Osceola
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4.8 MW
Net Summer Capacity by Energy Source: Petroleum = 4.8 MW

Plant Name: Panora
Plant Code: 7584
Utility Name: City of Panora - (IA)
Utility ID: 14433
City: Panora
County: Guthrie
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4.5 MW
Net Summer Capacity by Energy Source: Petroleum = 4.5 MW

Plant Name: Bancroft
Plant Code: 1125
Utility Name: Bancroft Municipal Utilities
Utility ID: 1172
City: Bancroft
County: Kossuth
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4.1 MW
Net Summer Capacity by Energy Source: Petroleum = 4.1 MW

Plant Name: Bancroft
Plant Code: 1125
Utility Name: Bancroft Municipal Utilities
Utility ID: 1172
City: Bancroft
County: Kossuth
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4.1 MW
Net Summer Capacity by Energy Source: Petroleum = 4.1 MW

Plant Name: Alliant SBD 9403 Aegon DC
Plant Code: 54929
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Cedar Rapids
County: Linn
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4.1 MW
Net Summer Capacity by Energy Source: Petroleum = 4.1 MW

Plant Name: Villisca Municipal Power Plant
Plant Code: 1193
Utility Name: City of Villisca - (IA)
Utility ID: 19843
City: Villisca
County: Montgomery
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4 MW
Net Summer Capacity by Energy Source: Petroleum = 4 MW

Plant Name: Lenox
Plant Code: 1158
Utility Name: City of Lenox - (IA)
Utility ID: 10908
City: Lenox
County: Taylor
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4 MW
Net Summer Capacity by Energy Source: Petroleum = 4 MW

Plant Name: Gilliam South
Plant Code: 7857
Utility Name: City of Stuart - (IA)
Utility ID: 18231
City: Stuart
County: Adair
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4 MW
Net Summer Capacity by Energy Source: Petroleum = 4 MW

Plant Name: Ogden
Plant Code: 1169
Utility Name: City of Ogden - (IA)
Utility ID: 13990
City: Ogden
County: Boone
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4 MW
Net Summer Capacity by Energy Source: Petroleum = 4 MW

Plant Name: Lake Park
Plant Code: 1153
Utility Name: City of Lake Park - (IA)
Utility ID: 10608
City: Lake Park
County: Dickinson
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4 MW
Net Summer Capacity by Energy Source: Petroleum = 4 MW

Plant Name: Traer East
Plant Code: 56025
Utility Name: City of Traer - (IA)
Utility ID: 19062
City: Tracer
County: Tama
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 4 MW
Net Summer Capacity by Energy Source: Petroleum = 4 MW

Plant Name: West Diesel Generation Unit
Plant Code: 56517
Utility Name: City of Pocahontas - (IA)
Utility ID: 15180
City: Pocahontas
County: Pocahontas
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 3.8 MW
Net Summer Capacity by Energy Source: Petroleum = 3.8 MW

Plant Name: Hopkinton
Plant Code: 8108
Utility Name: City of Hopkinton - (IA)
Utility ID: 8847
City: Hopkinton
County: Delaware
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 3.8 MW
Net Summer Capacity by Energy Source: Petroleum = 3.8 MW

Plant Name: Traer Main
Plant Code: 1192
Utility Name: City of Traer - (IA)
Utility ID: 19062
City: Traer
County: Tama
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 3.7 MW
Net Summer Capacity by Energy Source: Petroleum = 3.7 MW

Plant Name: Graettinger
Plant Code: 1142
Utility Name: City of Graettinger - (IA)
Utility ID: 7443
City: Graettinger
County: Palo Alto
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 3.6 MW
Net Summer Capacity by Energy Source: Petroleum = 3.6 MW

Plant Name: South Strawberry
Plant Code: 7926
Utility Name: City of Strawberry Point
Utility ID: 18204
City: Strawberry Point
County: Clayton
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 3.6 MW
Net Summer Capacity by Energy Source: Petroleum = 3.6 MW

Plant Name: Alliant SBD 8601 Quad Graphics
Plant Code: 54720
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Marengo
County: Iowa
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 3.6 MW
Net Summer Capacity by Energy Source: Petroleum = 3.6 MW

Plant Name: Harlan
Plant Code: 1146
Utility Name: Harlan Municipal Utilities - (IA)
Utility ID: 8122
City: Harlan
County: Shelby
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 3.2 MW
Net Summer Capacity by Energy Source: Petroleum = 3.2 MW

Plant Name: Coggon
Plant Code: 1132
Utility Name: City of Coggon - (IA)
Utility ID: 3900
City: Coggon
County: Linn
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 3.2 MW
Net Summer Capacity by Energy Source: Petroleum = 3.2 MW

Plant Name: Alliant SBD 9205 A Y McDonald
Plant Code: 54710
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Dubuque
County: Dubuque
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 3.1 MW
Net Summer Capacity by Energy Source: Petroleum = 3.1 MW

Plant Name: Alliant SBD 8501 Aegon LI
Plant Code: 54714
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Cedar Rapids
County: Linn
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 3.1 MW
Net Summer Capacity by Energy Source: Petroleum = 3.1 MW

Plant Name: Rockford
Plant Code: 1180
Utility Name: City of Rockford- (IA)
Utility ID: 16211
City: Rockford
County: Floyd
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 2.9 MW
Net Summer Capacity by Energy Source: Petroleum = 2.9 MW

Plant Name: Alliant SBD 9301 Prairie Farms
Plant Code: 54735
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Dubuque
County: Dubuque
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 2.9 MW
Net Summer Capacity by Energy Source: Petroleum = 2.9 MW

Plant Name: Anita
Plant Code: 1123
Utility Name: City of Anita - (IA)
Utility ID: 682
City: Anita
County: Cass
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 2.7 MW
Net Summer Capacity by Energy Source: Petroleum = 2.7 MW

Plant Name: Stuart (IA)
Plant Code: 1190
Utility Name: City of Stuart - (IA)
Utility ID: 18231
City: Stuart
County: Guthrie
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 2.7 MW
Net Summer Capacity by Energy Source: Petroleum = 2.7 MW

Plant Name: Rock Rapids
Plant Code: 1181
Utility Name: Rock Rapids Municipal Utility
Utility ID: 16206
City: Rock Rapids
County: Lyon
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 2.5 MW
Net Summer Capacity by Energy Source: Petroleum = 2.5 MW

Plant Name: Gowrie
Plant Code: 1141
Utility Name: Gowrie Municipal Utilities
Utility ID: 7424
City: Gowrie
County: Webster
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 2.2 MW
Net Summer Capacity by Energy Source: Petroleum = 2.2 MW

Plant Name: Dike City Power Plant
Plant Code: 56194
Utility Name: City of Dike
Utility ID: 5155
City: Dike
County: Grundy
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 2.2 MW
Net Summer Capacity by Energy Source: Petroleum = 2.2 MW

Plant Name: Alliant SBD 9201 Norplex
Plant Code: 54712
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Postville
County: Allamakee
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 2.1 MW
Net Summer Capacity by Energy Source: Petroleum = 2.1 MW

Plant Name: McGregor
Plant Code: 1163
Utility Name: City of McGregor- (IA)
Utility ID: 12114
City: McGregor
County: Clayton
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 2 MW
Net Summer Capacity by Energy Source: Petroleum = 2 MW

Plant Name: Brooklyn
Plant Code: 1128
Utility Name: City of Brooklyn - (IA)
Utility ID: 2287
City: Brooklyn
County: Poweshiek
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 2 MW
Net Summer Capacity by Energy Source: Petroleum = 2 MW

Plant Name: Anderson Erickson
Plant Code: 56138
Utility Name: MidAmerican Energy Co
Utility ID: 12341
City: Des Moines
County: Polk
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 2 MW
Net Summer Capacity by Energy Source: Petroleum = 2 MW

Plant Name: West Receiving
Plant Code: 7853
Utility Name: City of Denison - (IA)
Utility ID: 5056
City: Denison
County: Crawford
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1.8 MW
Net Summer Capacity by Energy Source: Petroleum = 1.8 MW

Plant Name: Dayton (IA)
Plant Code: 1135
Utility Name: City of Dayton - (IA)
Utility ID: 4919
City: Dayton
County: Webster
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1.8 MW
Net Summer Capacity by Energy Source: Petroleum = 1.8 MW

Plant Name: Brooklyn City North Plant
Plant Code: 7922
Utility Name: City of Brooklyn - (IA)
Utility ID: 2287
City: Brooklyn
County: Poweshiek
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1.8 MW
Net Summer Capacity by Energy Source: Petroleum = 1.8 MW

Plant Name: Traer South
Plant Code: 7920
Utility Name: City of Traer - (IA)
Utility ID: 19062
City: Traer
County: Tama
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1.8 MW
Net Summer Capacity by Energy Source: Petroleum = 1.8 MW

Plant Name: Earlville
Plant Code: 7865
Utility Name: City of Earlville - (IA)
Utility ID: 5563
City: Earlville
County: Delaware
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1.8 MW
Net Summer Capacity by Energy Source: Petroleum = 1.8 MW

Plant Name: Grand Junction
Plant Code: 1143
Utility Name: City of Grand Junction - (IA)
Utility ID: 7486
City: Grand Junction
County: Greene
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1.6 MW
Net Summer Capacity by Energy Source: Petroleum = 1.6 MW

Plant Name: Alliant SBD 9206 Donaldson
Plant Code: 54718
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Cresco
County: Howard
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1.6 MW
Net Summer Capacity by Energy Source: Petroleum = 1.6 MW

Plant Name: Primghar
Plant Code: 1177
Utility Name: City of Primghar - (IA)
Utility ID: 15377
City: Primghar
County: O'Brien
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1.4 MW
Net Summer Capacity by Energy Source: Petroleum = 1.4 MW

Plant Name: Alliant SBD 9302 Aegon NP
Plant Code: 54967
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Cedar Rapids
County: Linn
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1.2 MW
Net Summer Capacity by Energy Source: Petroleum = 1.2 MW

Plant Name: Whittemore
Plant Code: 1201
Utility Name: City of Whittemore - (IA)
Utility ID: 20604
City: Whittemore
County: Kossuth
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1.1 MW
Net Summer Capacity by Energy Source: Petroleum = 1.1 MW

Plant Name: Alliant SBD 9901 GE Capital
Plant Code: 56074
Utility Name: Industrial Energy Applications Inc
Utility ID: 361
City: Cedar Rapids
County: Linn
State: Iowa
Sector: IPP Non-CHP
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1.1 MW
Net Summer Capacity by Energy Source: Petroleum = 1.1 MW

Plant Name: Sibley No Two
Plant Code: 7060
Utility Name: City of Sibley - (IA)
Utility ID: 17141
City: Sibley
County: Osceola
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 1 MW
Net Summer Capacity by Energy Source: Petroleum = 1 MW

Plant Name: Alta Municipal Utilities
Plant Code: 1121
Utility Name: City of Alta - (IA)
Utility ID: 405
City: Alta
County: Buena Vista
State: Iowa
Sector: Electric Utility
Technology: Petroleum Liquids
Data Period: 201511
Primary Fuel: petroleum
Total Net Summer Capacity: 0.9 MW
Net Summer Capacity by Energy Source: Petroleum = 0.9 MW

E. Nuclear

Count	Total (MW)	Maximum (MW)	Minimum (MW)	Average (MW)
1	601.4	601.4	601.4	601.4

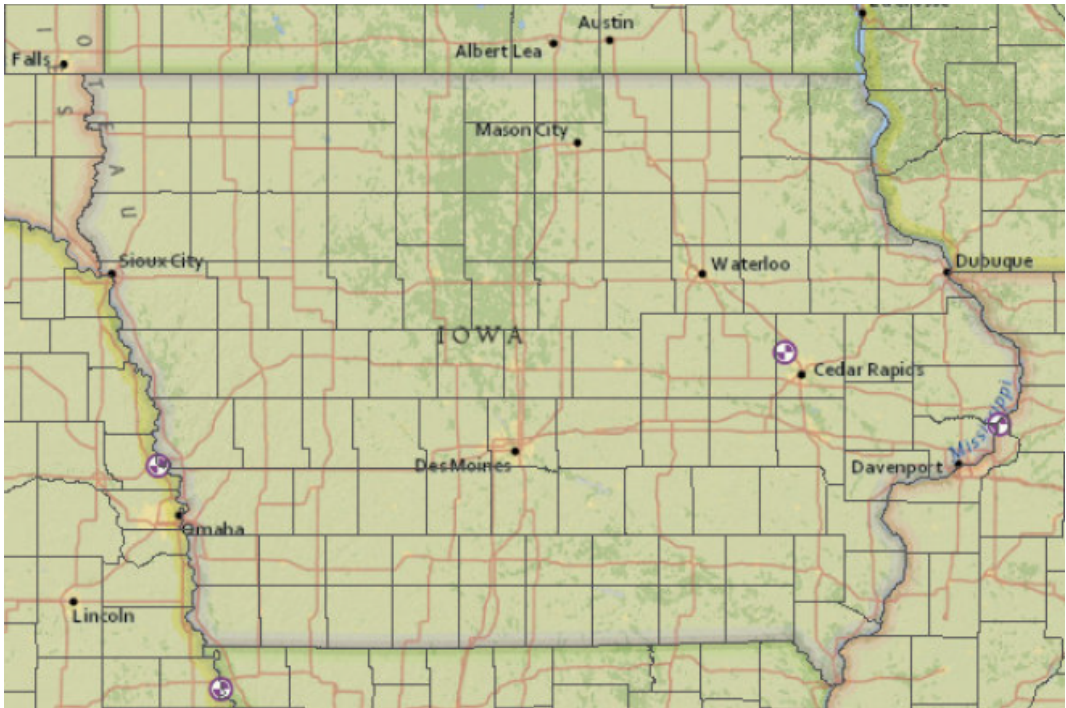


Figure 8. Power Generation Plants Using Nuclear Fuel as the Primary Fuel in Iowa and Adjacent Areas.
Source: United States Energy Information Administration – U.S. Energy Mapping System

List of power generation plants in Iowa using nuclear fuel as the primary fuel (sorted in order of total net summer generating capacity)

Plant Name: Duane Arnold Energy Center
Plant Code: 1060
Utility Name: NextEra Energy Duane Arnold LLC
Utility ID: 55269
City: Palo
County: Linn
State: Iowa
Sector: IPP Non-CHP
Technology: Nuclear
Data Period: 201511
Primary Fuel: nuclear
Total Net Summer Capacity: 601.4 MW
Net Summer Capacity by Energy Source: Nuclear = 601.4 MW

F. Hydroelectric

Count	Total (MW)	Maximum (MW)	Minimum (MW)	Average (MW)
4	258.4	140.5	1.2	64.6

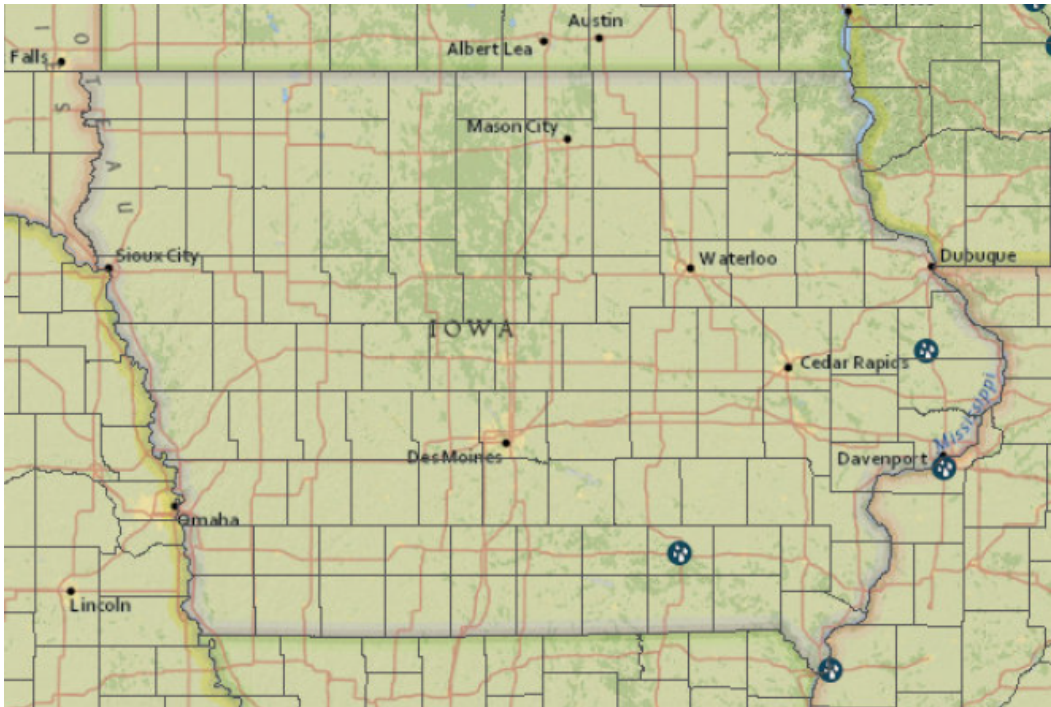


Figure 9. Power Generation Plants Using Hydro as the Primary Fuel in Iowa and Adjacent Areas.
Source: United States Energy Information Administration – U.S. Energy Mapping System

List of power generation plants in Iowa using hydro as the primary fuel
(sorted in order of total net summer generating capacity)

Plant Name: Keokuk
Plant Code: 1109
Utility Name: Union Electric Co - (MO)
Utility ID: 19436
City: Keokuk
County: Lee
Sector: Electric Utility
Technology: Conventional Hydroelectric
Data Period: 201511
Primary Fuel: hydroelectric
Total Net Summer Capacity: 140.5 MW
Net Summer Capacity by Energy Source: Hydroelectric = 140.5 MW

Plant Name: Earl F Wisdom
Plant Code: 1217
Utility Name: Corn Belt Power Coop
Utility ID: 4363
City: Spencer
County: Clay
Sector: Electric Utility
Technology: Natural Gas Fired Combustion Turbine; Natural Gas Steam Turbine;
Data Period: 201511
Primary Fuel: natural gas
Total Net Summer Capacity: 113.5 MW
Net Summer Capacity by Energy Source: Natural Gas = 113.5 MW

Plant Name: Ottumwa City of
Plant Code: 1173
Utility Name: Ottumwa City of
Utility ID: 14236
City: Ottumwa
County: Wapello
Sector: Electric Utility
Technology: Conventional Hydroelectric
Data Period: 201511
Primary Fuel: hydroelectric
Total Net Summer Capacity: 3.2 MW
Net Summer Capacity by Energy Source: Hydroelectric = 3.2 MW

Plant Name: Iowa Hydro LLC
Plant Code: 1067
Utility Name: Renewable World Energies LLC
Utility ID: 58149
City: Maquoketa
County: Jackson
Sector: IPP Non-CHP
Technology: Conventional Hydroelectric
Data Period: 201511
Primary Fuel: hydroelectric
Total Net Summer Capacity: 1.2 MW
Net Summer Capacity by Energy Source: Hydroelectric = 1.2 MW

G. Biomass

Count	Total (MW)	Maximum (MW)	Minimum (MW)	Average (MW)
5	23.2	11.2	1	4.6

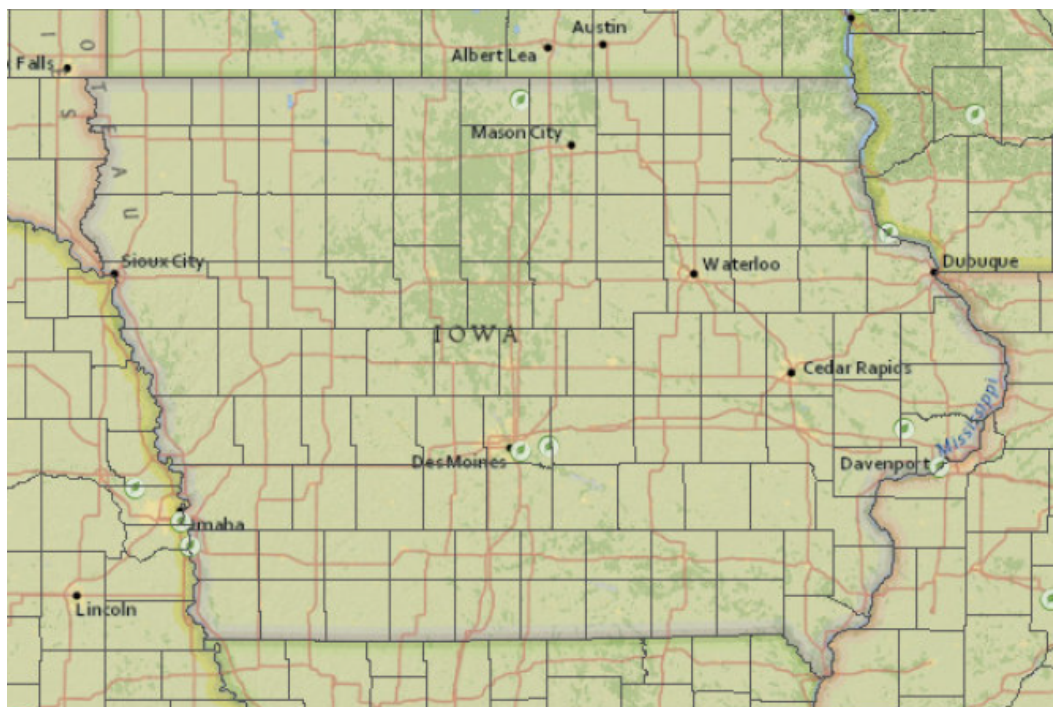


Figure 10. Power Generation Plants Using Biomass as the Primary Fuel in Iowa and Adjacent Areas.
Source: United States Energy Information Administration – U.S. Energy Mapping System

List of power generation plants in Iowa using biomass as the primary fuel (sorted in order of total net summer generating capacity)

Plant Name: Metro Methane Recovery Facility

Plant Code: 54700

Utility Name: WM Renewable Energy LLC

Utility ID: 54842

City: Mitchellville

County: Polk

Sector: IPP Non-CHP

Technology: Landfill Gas

Data Period: 201511

Primary Fuel: biomass

Total Net Summer Capacity: 11.2 MW

Net Summer Capacity by Energy Source: Biomass = 11.2 MW

Plant Name: Lake Mills Gas Recovery
Plant Code: 56521
Utility Name: WM Renewable Energy LLC
Utility ID: 54842
City: Lake Mills
County: Winnebago
Sector: IPP Non-CHP
Technology: Landfill Gas
Data Period: 201511
Primary Fuel: biomass
Total Net Summer Capacity: 4.8 MW
Net Summer Capacity by Energy Source: Biomass = 4.8 MW

Plant Name: Des Moines Wastewater Reclamation Facility
Plant Code: 50932
Utility Name: Des Moines Metro WRF
Utility ID: 5089
City: Des Moines
County: Polk
Sector: Commercial CHP
Technology: Other Waste Biomass
Data Period: 201511
Primary Fuel: biomass
Total Net Summer Capacity: 4.6 MW
Net Summer Capacity by Energy Source: Biomass = 4.6 MW

Plant Name: Davenport Water Pollution Control Plant
Plant Code: 55035
Utility Name: Davenport City of
Utility ID: 29729
City: Davenport
County: Scott
Sector: Commercial CHP
Technology: Other Waste Biomass
Data Period: 201511
Primary Fuel: biomass
Total Net Summer Capacity: 1.6 MW
Net Summer Capacity by Energy Source: Biomass = 1.6 MW

Plant Name: AgriReNew

Plant Code: 59181

Utility Name: AgriReNew

Utility ID: 58986

City: Stockton

County: Scott

Sector: IPP CHP

Technology: Other Waste Biomass

Data Period: 201511

Primary Fuel: biomass

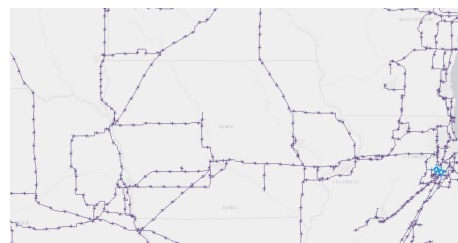
Total Net Summer Capacity: 1 MW

Net Summer Capacity by Energy Source: Biomass = 1 MW

II. OTHER GEOGRAPHIC INFORMATION ON ENERGY INFRASTRUCTURE

The U.S. Energy Information Administration's U.S. Energy Mapping System contains a broad range of data on major energy infrastructure and resources that can be overlain on regional/state base maps. The maps on the following pages provide summaries of information useful to the development of the Iowa Energy Plan, including:

A. Major electricity transmission lines ($\geq 345\text{kV}$)



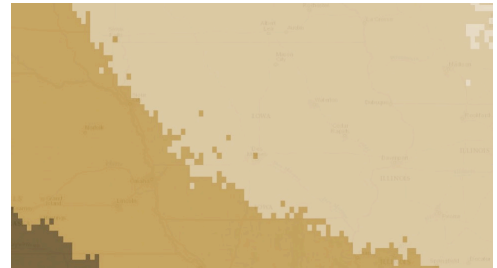
B. Pipelines



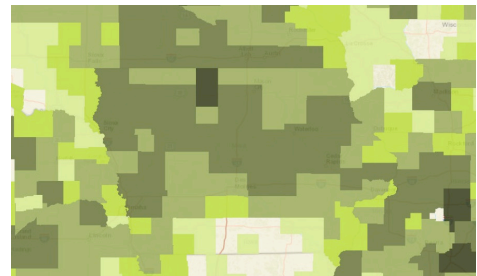
C. Wind resource potential



D. Solar (photovoltaic) resource potential



E. Solid biomass resources



A. Major Electricity Transmission Lines

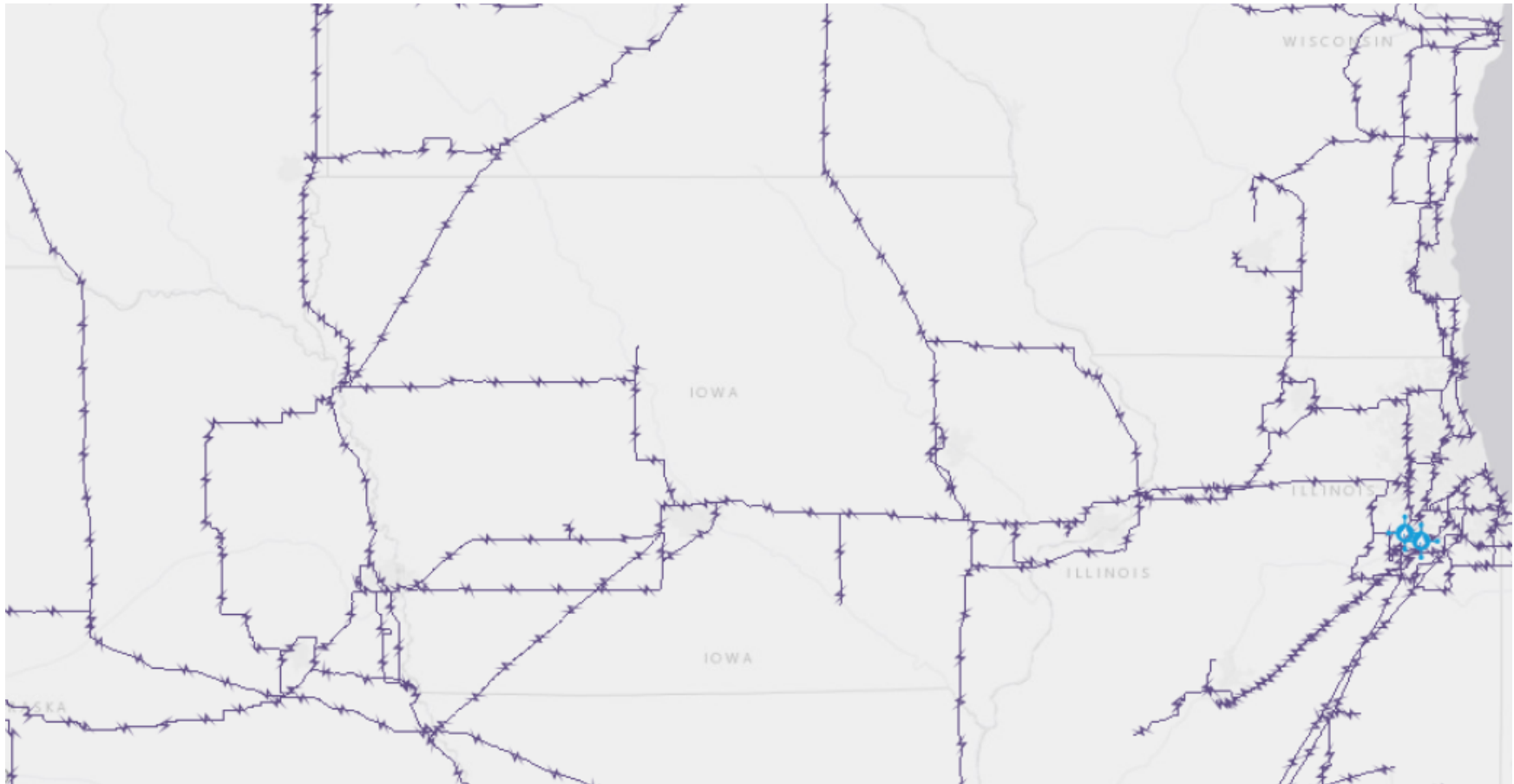
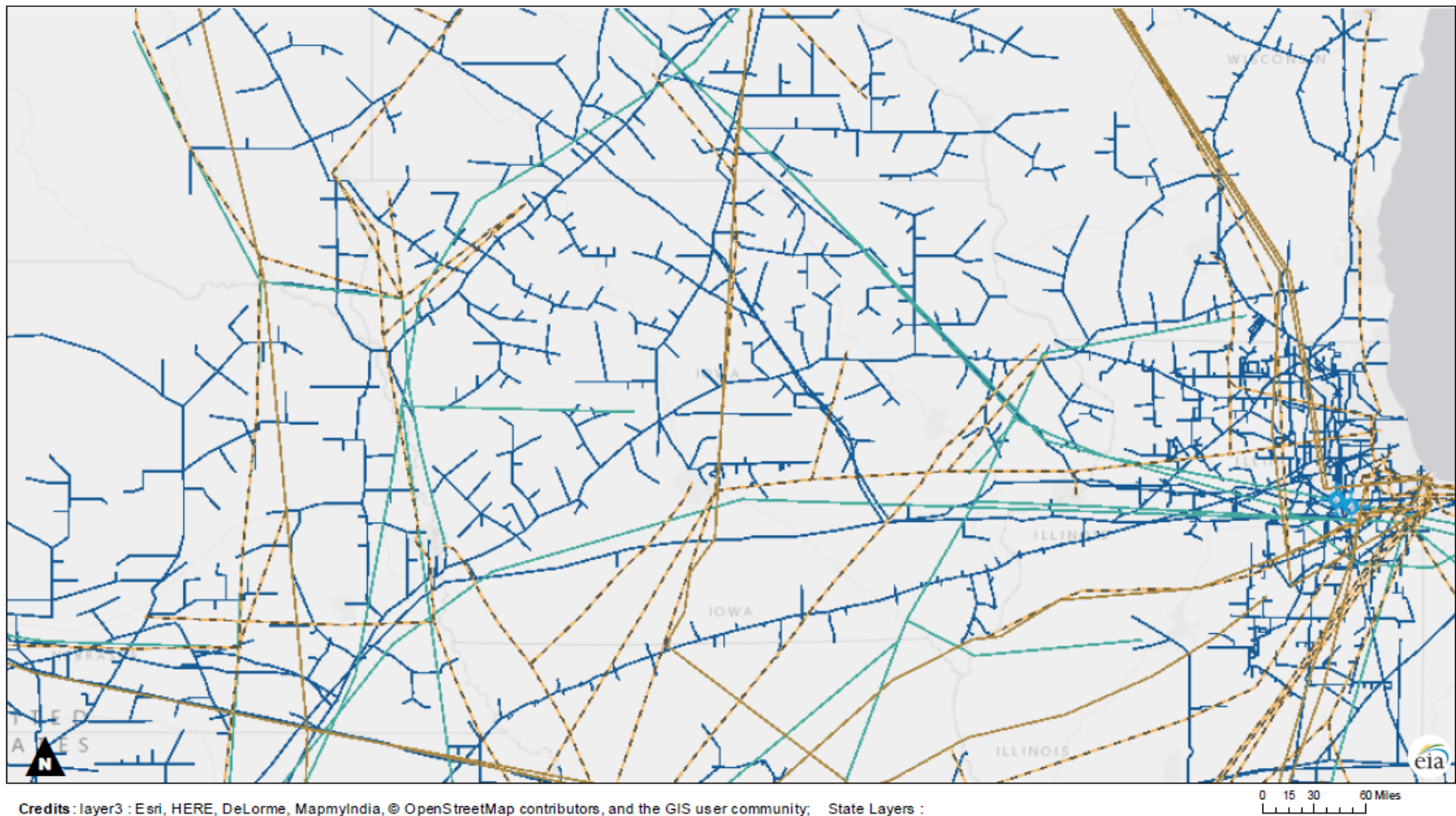







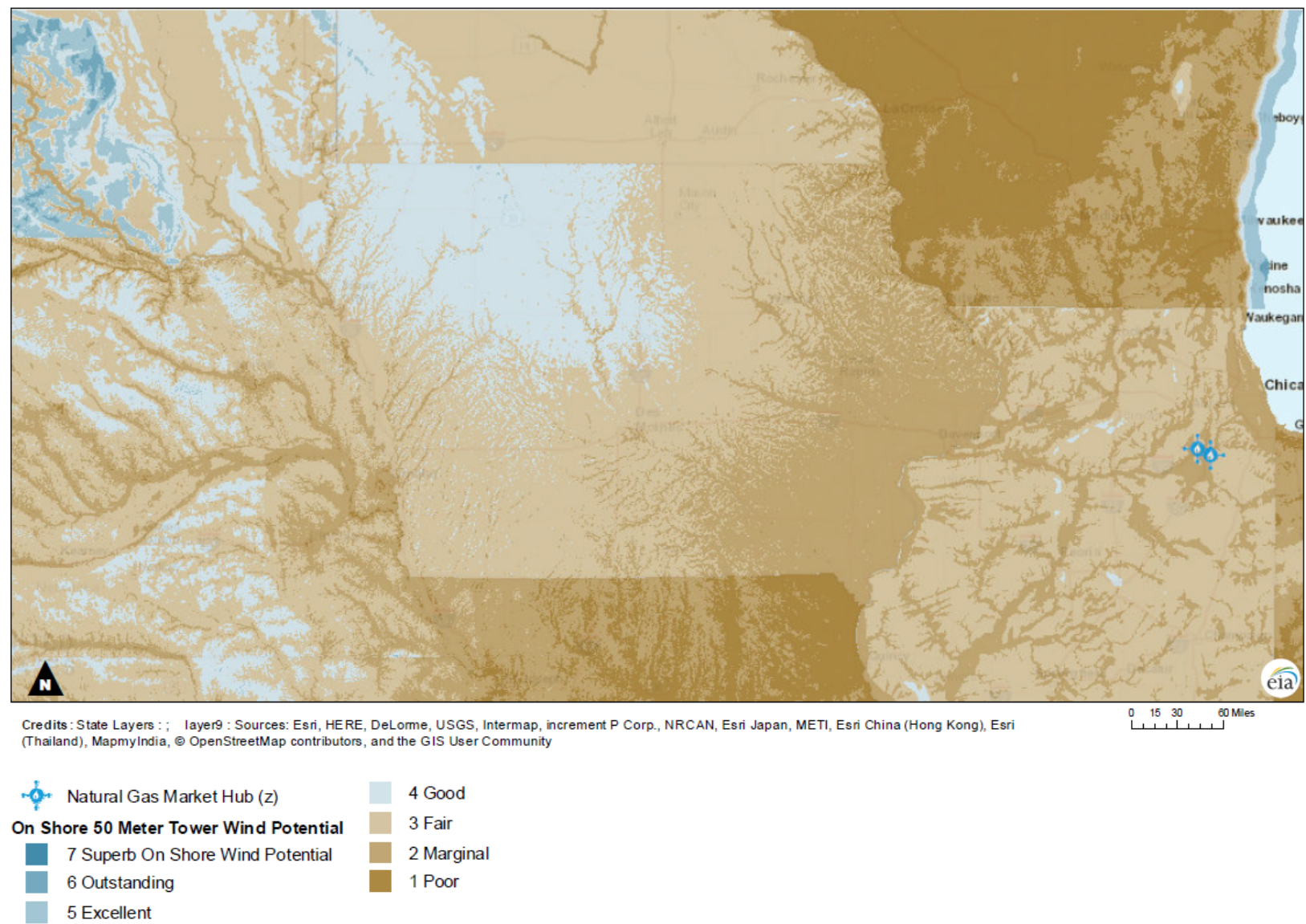
Figure 11. Electricity transmission lines of $\geq 345\text{kV}$
Source: United States Energy Information Administration – U.S. Energy Mapping System

B. Pipelines

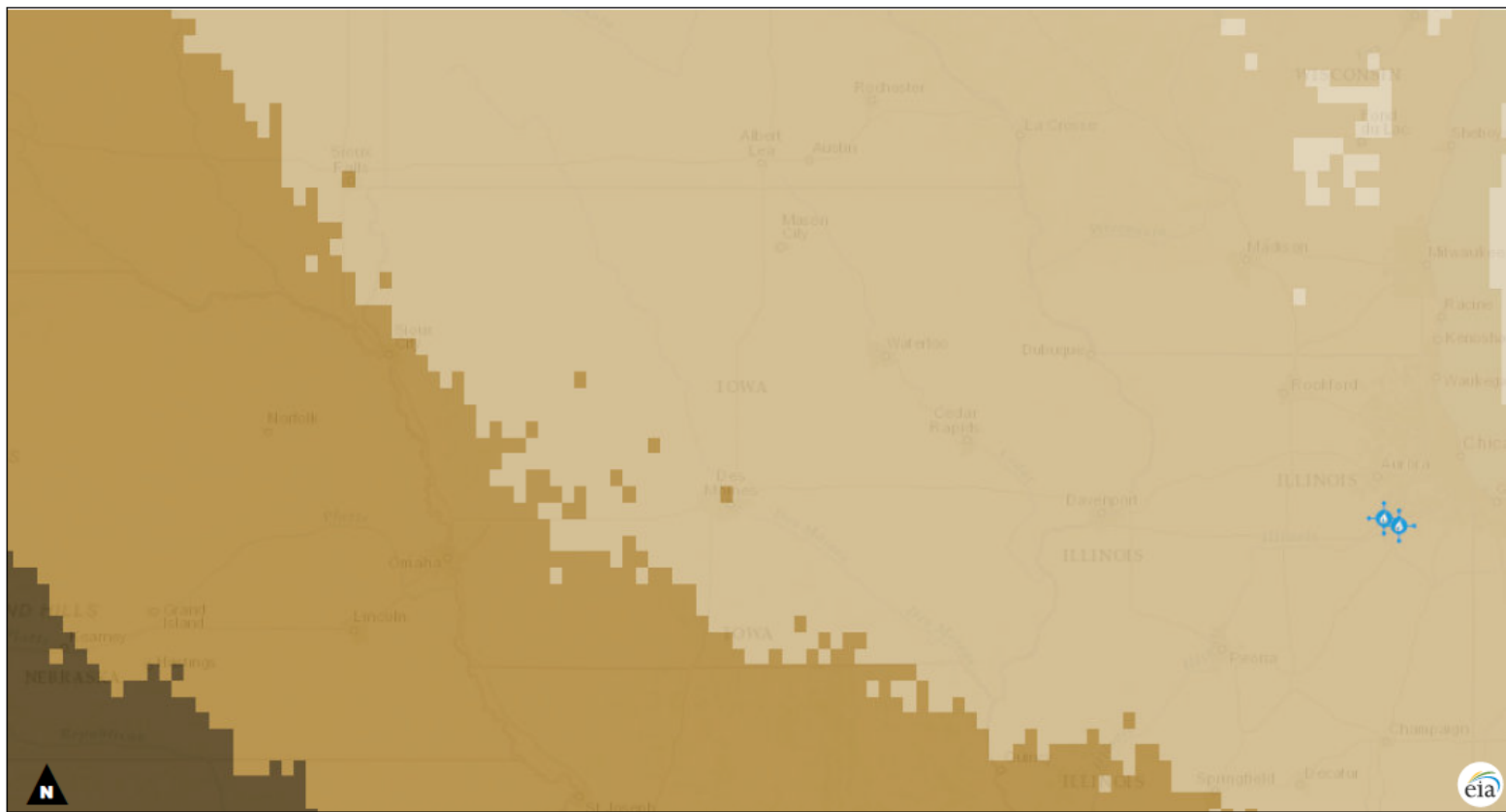


-  Natural Gas Market Hub (z)
-  Crude Oil Pipeline (z)
-  Petroleum Product Pipeline (z)
-  HGL Pipeline (z)
-  Natural Gas Inter/Intrastate Pipeline (z)



C. Wind Resource Potential




D. Solar Potential (Photovoltaic)



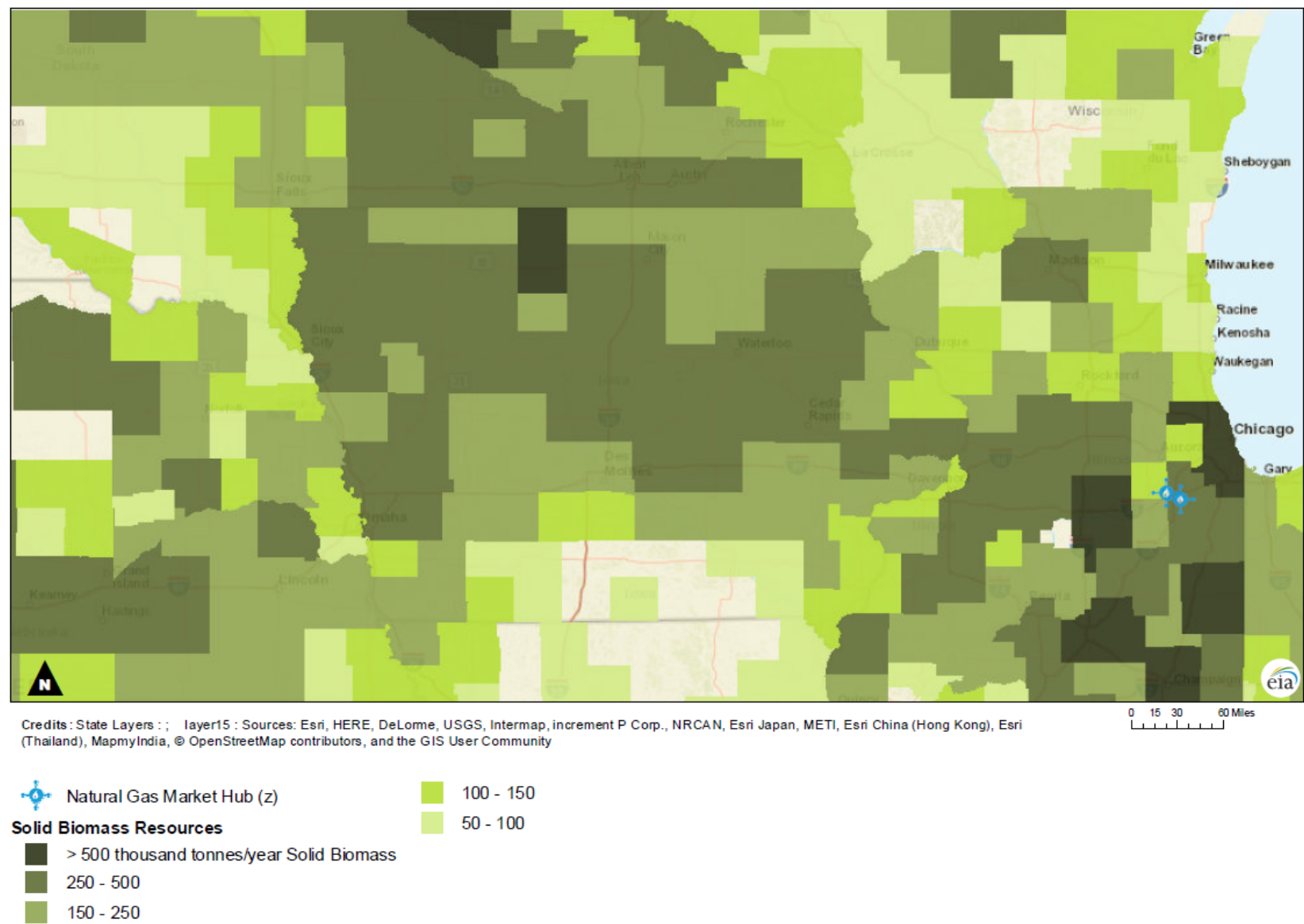
Credits : layer10 : Sources : Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community; State Layers :

-  Natural Gas Market Hub (z)
- 

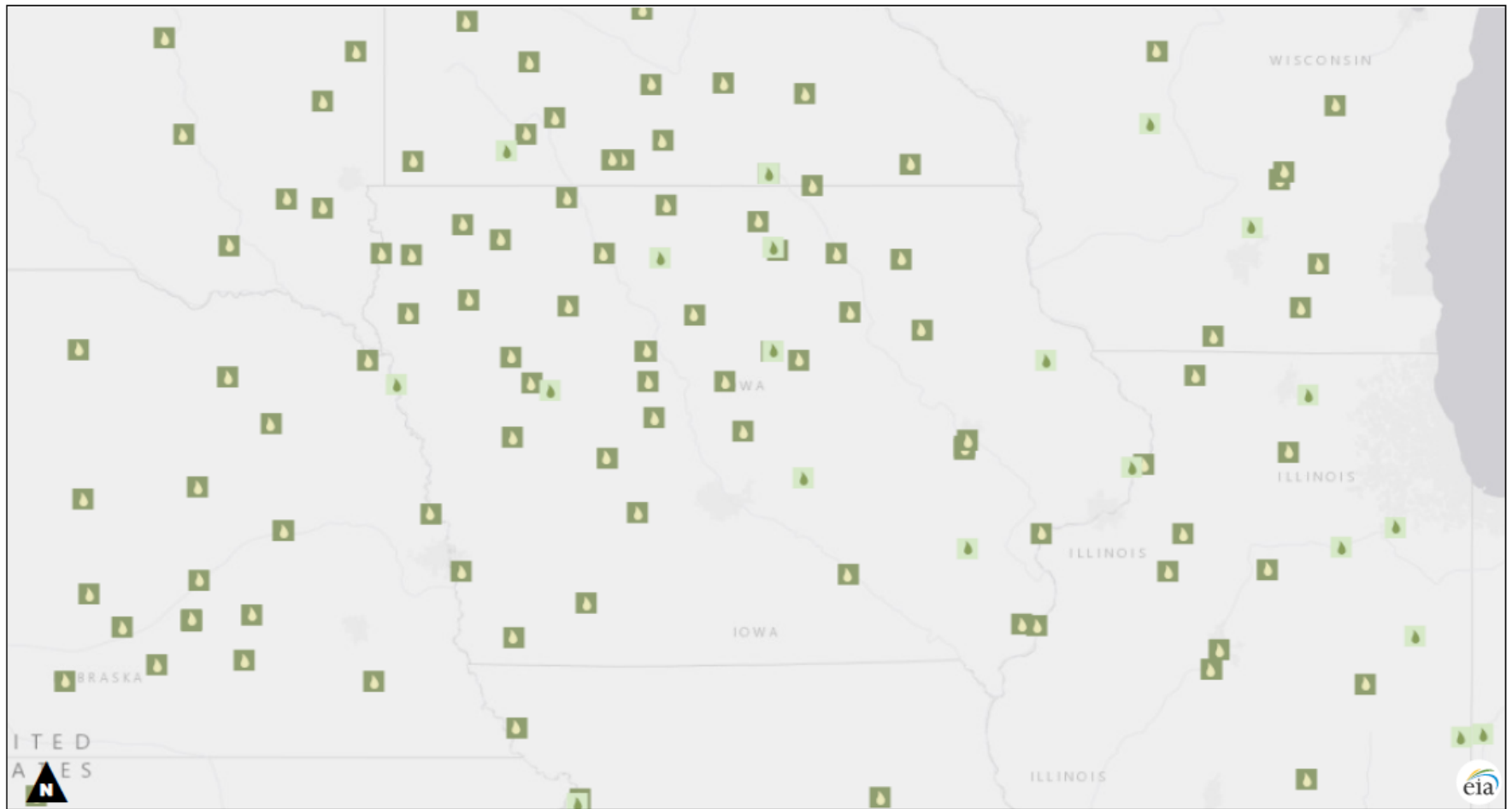
Photovoltaic Solar Potential

 - 5.93 to 7.03 kWh/m2/Day PV Solar Potential
 - 5.21 to 5.92
 - 4.78 to 5.2
- 
 - 4.35 to 4.77
 - 2.19 to 4.34



E. Solid Biomass Resources



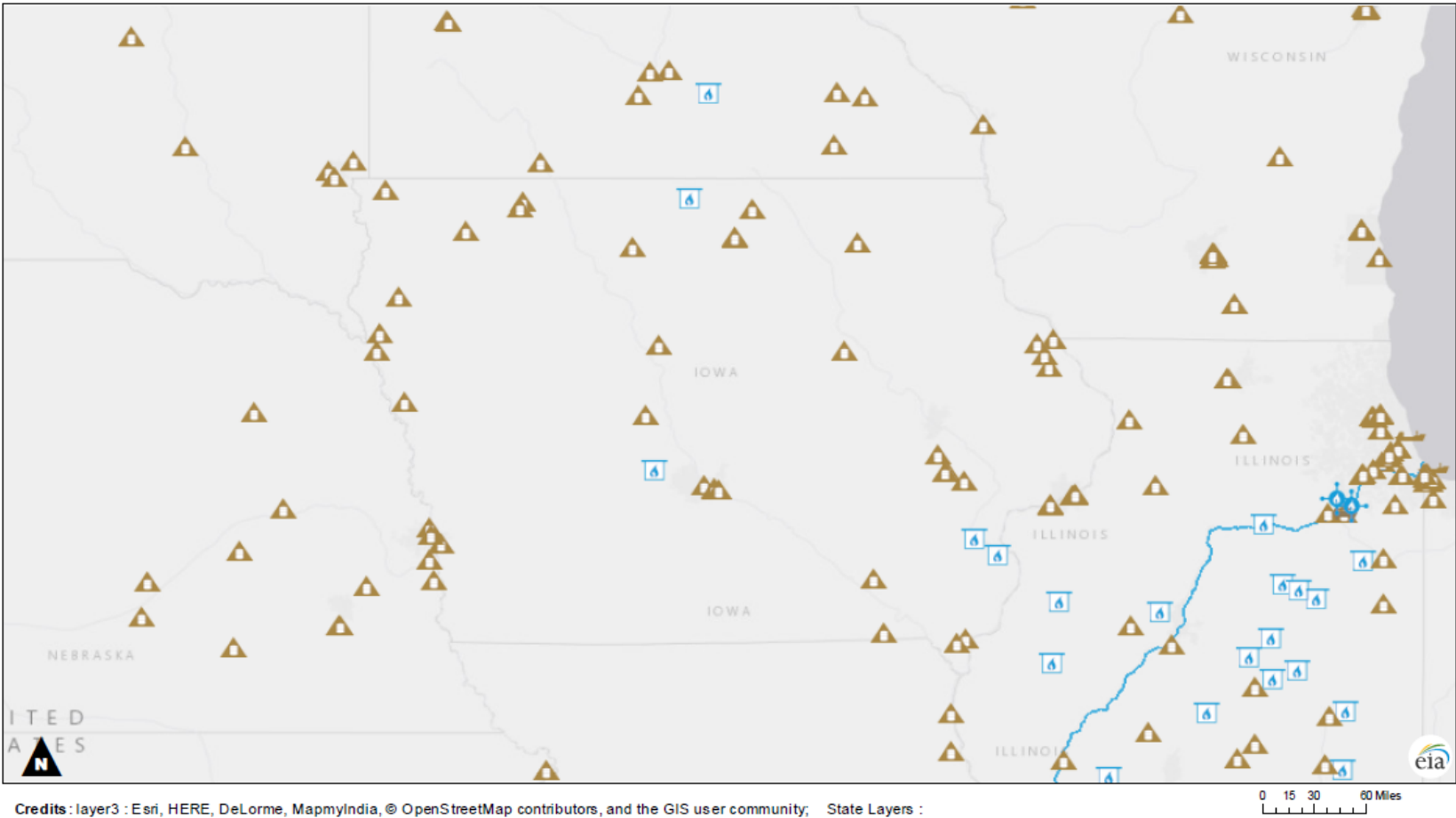
F. Ethanol and Biodiesel Plants











Credits : layer3 : Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community; State Layers :

-  Biodiesel Plant
-  Ethanol Plant

G. Other Energy Infrastructure



- | | |
|---|---|
|  Natural Gas Market Hub (z) |  LNG Import/Export Terminal |
|  Crude Oil Rail Terminal |  Northeast Petroleum Reserve |
|  Petroleum Product Terminal |  Strategic Petroleum Reserve |
|  Petroleum Port |  Waterway for Petroleum Movement |
|  Natural Gas Underground Storage (z) | |