

**WIND POWER WORKS:  
GOOD FOR JOBS, GOOD FOR ECONOMIC GROWTH  
& GOOD FOR OUR ENVIRONMENT**

**Howard A. Learner  
Executive Director,  
Environmental Law & Policy Center**

**Presentation at  
WIND POWERING AMERICA  
All States Summit  
Chicago, IL – May 9, 2013**



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# Repowering the Midwest: Wind Power Soars



# Wind Power Development: Good for Jobs, Good for Economic Growth, Good for the Environment

Over 300 Illinois companies engaged in the wind, solar or geothermal energy industries.

18,000 jobs in Illinois

[www.elpc.org/illinoiswind](http://www.elpc.org/illinoiswind)



The Clean Energy Supply Chain in Illinois: Wind, Solar and Geothermal



Environmental Law & Policy Center



# **Diverse Jobs Across Sectors: Builds Stronger and More Diverse Political Support**

**Chicago has 13 Major Wind Power Corporate HQs: Management, Finance, Legal, Real Estate, Engineering and other “Downtown” Professionals, plus Administrative Staff Jobs**

**Wind Equipment Manufacturing Companies: Technical, Design/Engineering, Skilled and Semi-Skilled Trade Union Jobs**

**Development Projects: Construction, Siting, Materials, Legal and Community Relations Jobs**





## The Clean Energy Supply Chain in Illinois: Wind, Solar and Geothermal



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# The Wind Energy Supply Chain in Iowa

Good for Manufacturing Jobs • Good for Economic Growth  
Good for Our Environment



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# The Solar and Wind Energy Supply Chain in Michigan

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Good for Our Environment



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# The Solar and Wind Energy Supply Chain in Ohio

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# The Solar and Wind Energy Supply Chain in Wisconsin

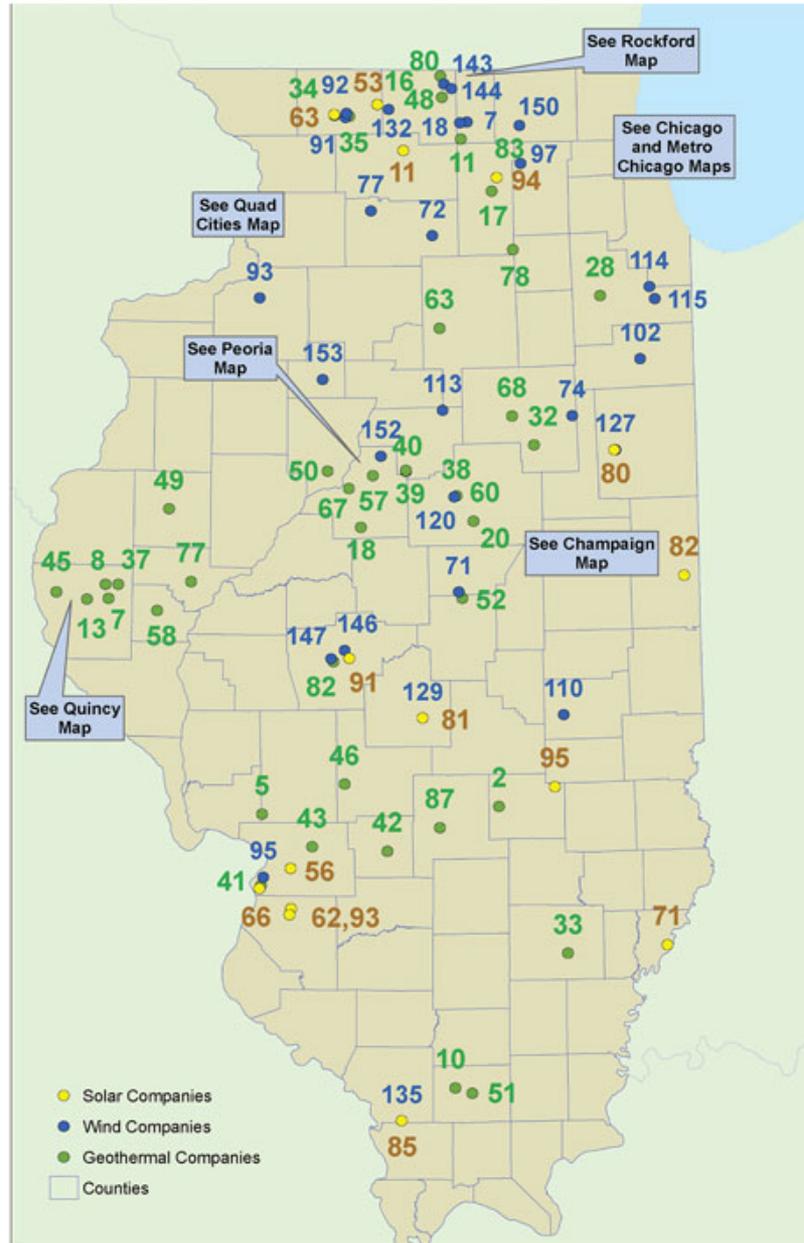
Good for Manufacturing Jobs • Good for Economic Growth  
Good for Our Environment



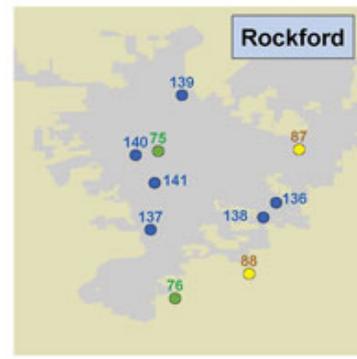
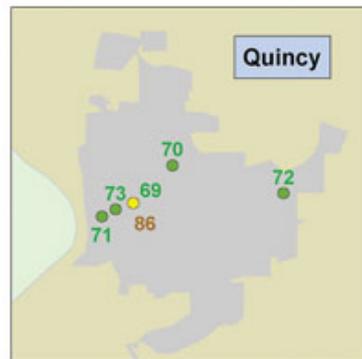
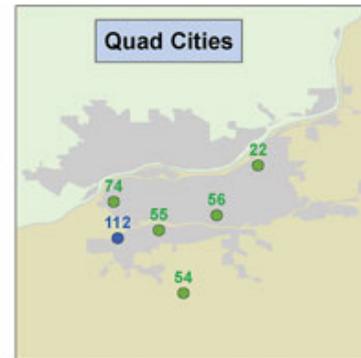
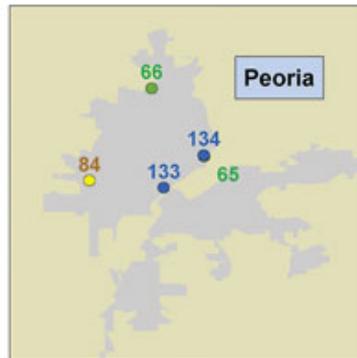
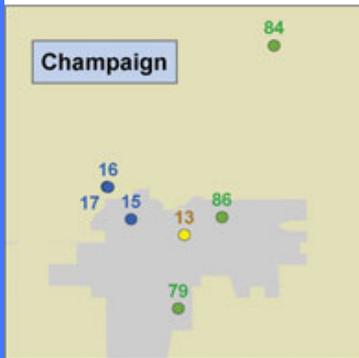
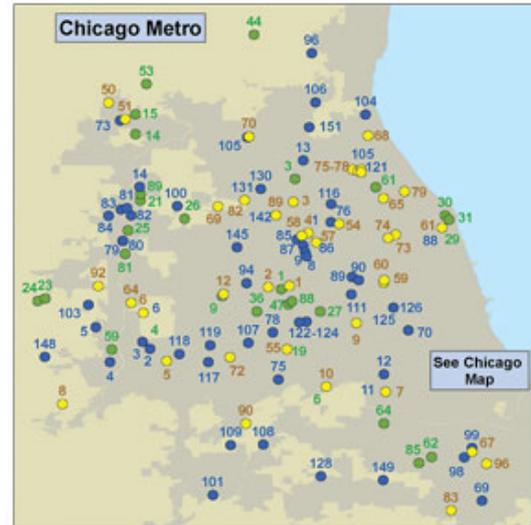
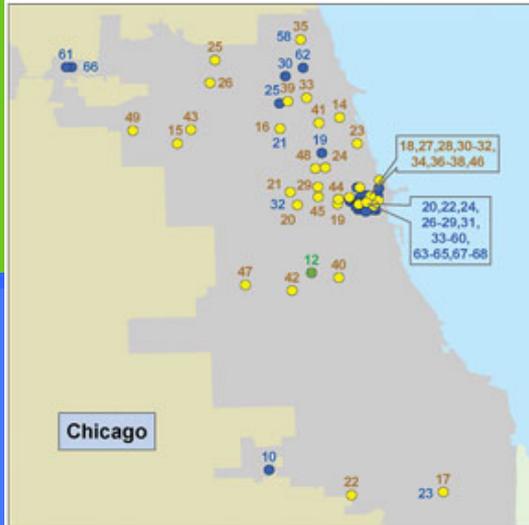
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# Clean Energy Supply Chain Companies in Illinois



# Clean Energy Supply Chain Companies in Illinois



# Illinois Wind Energy Companies

Company Name	City	Company Name	City
1. RESTechnologies (I/D)	Arlington Heights	64. TTX Company (S)	Chicago
2. CEMCON (S)	Aurora	65. US Mainstream Renewable Power (I/D)	Chicago
3. CENTA (C)	Aurora	66. Vestas (T)	Chicago
4. R.C. Wegman (I/D)	Aurora	67. Wind Capital (I/D)	Chicago
5. Acterra Group (I/D)	Batavia	68. Winston & Strawn (S)	Chicago
6. New Edison Energy (I/D)	Batavia	69. Funk Linko (C)	Chicago Heights
7. Orbital Tool Technologies (S)	Belvidere	70. Brad Foote (C)	Cicero
8. Egetrans (S)	Bensenville	71. Trinity Structural Towers (C)	Clinton
9. R&W America (C)	Bensenville	72. Lotus Creative Innovations (S)	Compton
10. G&W Electric (C)	Blue Island	73. Snap-on Industrial (C)	Crystal Lake
11. Imperial Crane (S)	Bridgeview	74. Krause Surveying (S)	Cullom
12. Prairie Materials (C)	Bridgeview	75. Leeco Steel (C)	Darien
13. Indeck Energy Services (I/D)	Buffalo Grove	76. Parker Hannifin (C)	Des Plaines
14. Stanley Machining and Tool (C)	Carpentersville	77. Willet, Hofmann & Associates (S)	Dixon
15. HL Precision Machining (C)	Champaign	78. Burns & McDonnell (S)	Downers Grove
16. Midstate Renewable Energy Svcs (I/D)	Champaign	79. Harting (C)	Elgin
17. MUTI (I/D)	Champaign	80. Helukable USA (C)	Elgin
18. Ipsen International (C)	Cherry Valley	81. Siemens-Winergy (C)	Elgin
19. A. Finkl & Sons (C)	Chicago	82. SKF Seals America (C)	Elgin
20. Acciona (I/D)	Chicago	83. Usach Technologies (C)	Elgin
21. Aerotecture International (I/D)	Chicago	84. Villares Metals/Bohler Uddeholm (C)	Elgin
22. ArcelorMittal (C)	Chicago	85. Bley (C)	Elk Grove
23. Atlas Tube (C)	Chicago	86. Fluitecnik (C)	Elk Grove
24. Baker Mckenzie (C)	Chicago	87. Acme Industries (C)	Elk Grove Village
25. Balanced Wind LLC (I/D)	Chicago	88. American Renewable Energy (I/D)	Evanston
26. Blue Star Energy Solutions (S)	Chicago	89. Ammentorp Tool (C)	Franklin Park
27. Bridge Strategy Group (S)	Chicago	90. H&H Electric Company (I/D)	Franklin Park
28. CNA (S)	Chicago	91. Elspec (C)	Freeport
29. DLA Piper (S)	Chicago	92. Fehr-Graham & Associates (S)	Freeport
30. Double-K Consulting (S)	Chicago	93. Foundation Engineering (S)	Geneseo
31. E.On Climate & Renewables (I/D)	Chicago	94. Hydac (C)	Glendale Heights
32. Earth Wind and Solar Energy (I/D)	Chicago	95. Heidtman Steel Products (C)	Granite City
33. Enablon (S)	Chicago	96. DriveCon/R&M Materials (C)	Gurnee
34. EWS Consulting (S)	Chicago	97. Professional Testing Service (S)	Hampshire
35. Fleming Energy (S)	Chicago	98. CN Worldwide (S)	Harvey
36. Foley & Lardner LLP (S)	Chicago	99. LB Steel (C)	Harvey
37. Gaelectric North America, Inc. (I/D)	Chicago	100. BoschRexfoth (C)	Hoffman Estates
38. Gamesa Energy (T)	Chicago	101. Data Cell Systems (I/D)	Joliet
39. Goldwind (T)	Chicago	102. Gordon Electric (C)	Kankakee
40. Horizon Wind Energy (I/D)	Chicago	103. RichardsonRFPD (C)	LaFox
41. Invenergy (I/D)	Chicago	104. Notus US (I/D)	Lake Forest
42. Jenner & Block (S)	Chicago	105. Randack (C)	Lake Zurich
43. JP Morgan Capital Group (S)	Chicago	106. SmartSignal (C)	Lisle
44. Latham & Watkins (S)	Chicago	107. Lockport Steel (C)	Lockport
45. Lincoln Renewable Energy (I/D)	Chicago	108. Walco Tool & Engineering (C)	Lockport
46. Lucas Group (S)	Chicago	109. S&K Air Power Tool and Supply (C)	Mattoon
47. MAKE Consulting (S)	Chicago	110. Power Plant Services (S)	Melrose Park
48. Mayer Brown LLP (S)	Chicago	111. Gual Hydraulics (S)	Milan
49. Michael Stavy (S)	Chicago	112. SMF (C)	Minonk
50. Midwest Generation (I/D)	Chicago	113. Cardno (S)	Monee
51. Midwest Wind Energy (I/D)	Chicago	114. Triton Manufacturing (C)	Monee
52. Navigant Consulting (S)	Chicago	115. NTN Bearing Corporation (C)	Mt. Prospect
53. Nordex (T)	Chicago	116. Broadwind (C)	Naperville
54. PNE Wind (I/D)	Chicago	117. Larson Engineering (C)	Naperville
55. Plante & Moran (S)	Chicago	118. Ryan Companies (S)	Naperville
56. RSMR Global Resources (S)	Chicago	119. Farnsworth Group (S)	Normal
57. Rynova (S)	Chicago	120. Pure Energy Alternatives (I/D)	Northbrook
58. S&C Electric (C)	Chicago	121. ProductSpace Solutions (S)	Oak Brook
59. Sargent & Lundry (S)	Chicago	122. Trintek (S)	Oak Brook
60. Scott Balice Strategies (S)	Chicago		
61. Suzlon (T, I/D)	Chicago		
62. Tempel Steel (C)	Chicago		
63. Terracon (S)	Chicago		

Key: C=Components I/D=Installers/Developers S=Services T=Turbine Manufacturers / Sales



# Illinois Wind Energy Companies (continued)

Company Name	City	Company Name	City
123. Graycor Industrial Constructors (S)	Oak Brook Terrace	138. Ingersoll Machine Tools (C)	Rockford
124. Professional Logistics Group (S)	Oak Park	139. Rockford Bolt and Steel (C)	Rockford
125. Vectora Transportation (S)	Oak Park	140. Rogers Brothers Galvanizing (C)	Rockford
126. Angel Wind Energy (I/D)	Onarga	141. Energy 360 Solutions (I/D)	Rolling Meadows
127. John Burns Construction (I/D)	Orland Park	142. Forest City Gear (C)	Roscoe
128. Wind Solar USA (I/D)	Owaneco	143. TSG (S)	Roscoe
129. Iberdrola Renewables US (T, I/D)	Palatine	144. Earle M. Jorgensen (C)	Schaumburg
130. Schneider Electric (C)	Palatine	145. American Wind Energy Mgmt. (I/D)	Springfield
131. Anpec Industries (C)	Pecatonica	146. Stantec (S)	Springfield
132. A. Lucas & Sons (C)	Peoria	147. Chicago Industrial Fasteners (C)	Sugar Grove
133. Rohn (C)	Peoria	148. Panduit (I/D)	Tinley Park
134. Advanced Energy Solution (I/D)	Pomona	149. INTREN (C)	Union
135. Caldwell Group (S)	Rockford	150. Hwacheon (C)	Vernon Hills
136. Clinkenbeard & Associates (C)	Rockford	151. Miller Welding & Iron Works (C)	Washington
137. Elite Tool & Wire (C)	Rockford	152. Orion Energy Group (I/D)	Wyoming

# Illinois Geothermal Energy Companies

Company Name	City	Company Name	City
1. Raimonde Drilling	Addison	46. Snell Enterprises	Litchfield
2. Mathias Electric & Plumbing	Altamont	47. HMS Engineering	Lombard
3. Optimal Energy	Arlington Heights	48. Kinovate	Machesney Park
4. State Automatic Heating & Cooling	Batavia	49. Arnold Brothers Heating & Cooling	Macomb
5. Den-Son Heating & Cooling	Brighton	50. H&S Mechanical	Mapleton
6. GeoSolar Energy Farm	Burr Ridge	51. D&C Heating and Cooling	Marion
7. Adams Electric Cooperative	Camp Point	52. Mashburn Well Drilling	Maroa
8. Rob's Refrigeration, HVAC & Electric	Camp Point	53. Sub-Surface Geothermal	McHenry
9. Great Lakes Geo Thermal	Carol Stream	54. Johnson Controls	Milan
10. RSP Heating & Cooling	Cartersville	55. QC Geothermal	Milan
11. A Polar Bear Air	Cherry Valley	56. J.L. Brady	Moline
12. Geothermal House	Chicago	57. Garber Heating and Air Conditioning	Morton
13. Husemann Electric	Coatsburg	58. Scranton Refrigeration & Electric	Mt. Sterling
14. Althoff Industries	Crystal Lake	59. Air-Rite Heating & Cooling	North Aurora
15. Efflandt Geothermal	Crystal Lake	60. Bratcher Heating & A/C	Normal
16. Geostar Mechanical	Davis	61. Roberts Heating & A/C	Northbrook
17. C/H Plumbing	Dekalb	62. S. Mechinal	Oak Forest
18. Tri-State Trenching and Drilling	Delavan	63. John's Services & Sales	Oglesby
19. Robert Bair	Downers Grove	64. RD-n-P Drilling	Palos Heights
20. Kickapoo Drilling	Downs	65. Connor Company	Peoria
21. Geotech Mechanical	Dundee	66. Yeomans Distributing Company	Peoria
22. Swanson Mechanical	East Moline	67. Central Heating & Air Conditioning	Perkin
23. Correct Direction	Elburn	68. Kupferschmid	Pontiac
24. J&R Herra	Elburn	69. Air Specialists	Quincy
25. Advanced Geothermal	Elgin	70. Elam Heating & A/C	Quincy
26. Environmental Comfort Team	Elgin	71. Keck Heating & Air	Quincy
27. TDH Mechanical	Elmhurst	72. Peters Heating & A/C	Quincy
28. TM Mechanical	Elwood	73. Stevens Heating & A/C	Quincy
29. American Renewable Energy&Power	Evanston	74. KJWW Engineering Consultants	Rock Island
30. American Vintage Home	Evanston	75. Area Mechanical	Rockford
31. Indie Energy	Evanston	76. Geothermal Services	Rockford
32. Popejoy Plumbing, Heating & Elec.	Fairbury	77. Toland	Rushville
33. Fry Excavating	Fairfield	78. Layne Western	Sandwich
34. Jansen Heating	Freeport	79. Reliable Mechanical	Savoy
35. Lemanski Heating & A/C	Freeport	80. Bloyer Well & Pump	South Beloit
36. Chicagoland Geothermal	Glen Ellyn	81. EarthSmart Energy	South Elgin
37. Water Furnace	Golden	82. Henson Robinson	Springfield
38. Hinrichsen Heating & A/C	Goodfield	83. Dahlquist Inc. Heating & Cool	Sycamore
39. The Hole Deal	Goodfield	84. Hovel Heating & Cooling	Thomasboro
40. Tri-County Irrigation & Plumbing	Goodfield	85. Air-ease Geothermal, Heating & A/C	Tinley Park
41. Amsco Mechanical	Granite City	86. A & R Mechanical Contractors, Inc.	Urbana
42. Enertech Manufacturing	Greenville	87. Hunter Appliance Heating & Air	Vandalia
43. Ernst Heating and Cooling	Hamel	88. Ridgeway Precision Mechanical	Villa Park
44. Balanced Air Heating & Cooling	Lake Villa	89. Leith Heating & Cooling	West Dundee
45. Vinson & Sill	Lima		

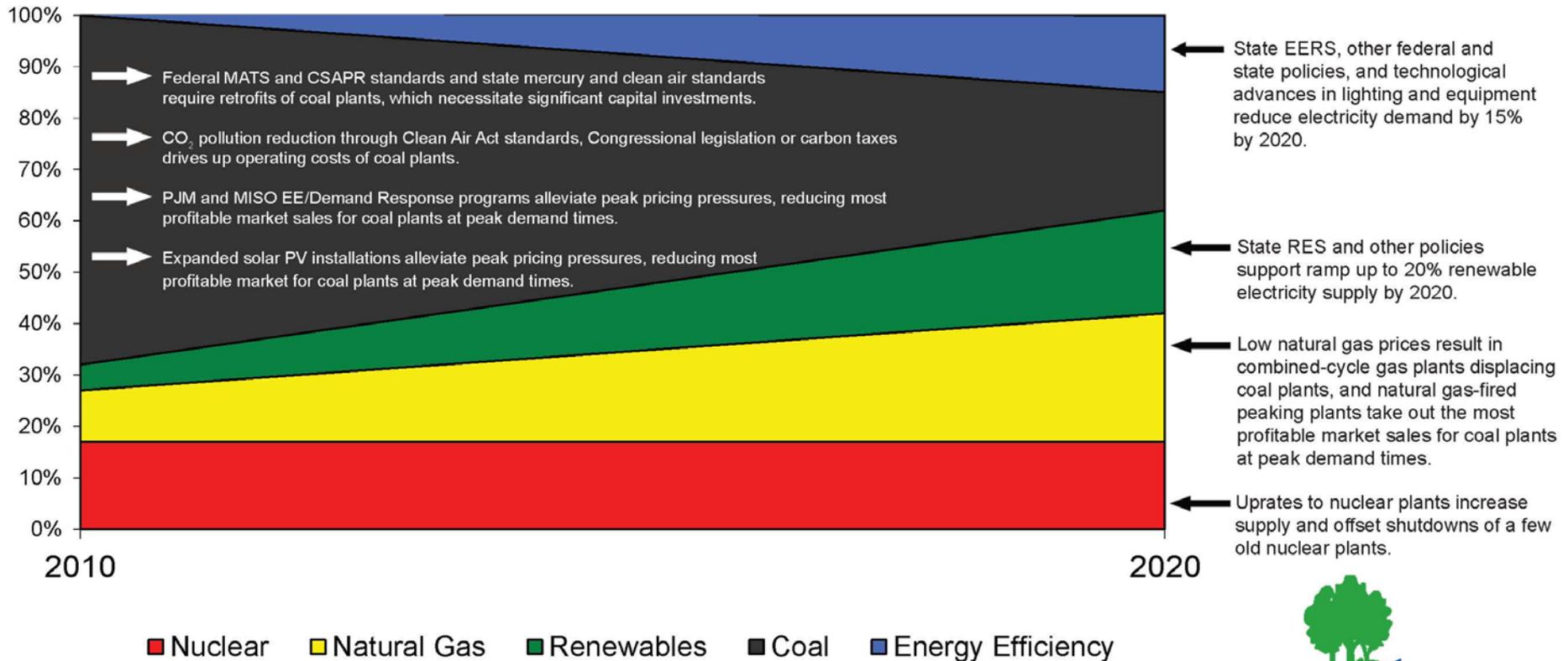


# Illinois Solar Energy Companies

Company Name	City	Company Name	City
1. Batteries Unlimited	Addison	50. Integrated Design and Supply	Crystal Lake
2. Sun Heat Solar	Addison	51. Kuchefski Heating and Air Conditioning	Danville
3. HarneTech	Arlington Heights	52. GeoStar Mechanical	Davis
4. RESTechnologies	Arlington Heights	53. WoodStar Energy	Des Plaines
5. Velux America, Inc.	Aurora	54. Robert Bair Plumbing Heating & Air	Downers Grove
6. New Edison Energy	Batavia	55. Day & Night Solar	Edwardsville
7. Imperial Crane	Bridgeview	56. Fluittechnik	EIK Grove
8. Solara Systems	Bristol	57. Shamrock Green Electric	Elk Grove
9. Current Communications	Broadview	58. Home Patron	Elmwood Park
10. GeoSolar Energy Farm	Burr Ridge	59. Solar Energy of Illinois	Elmwood Park
11. Sunair	Byron	60. American Renewable Energy & Power	Evanston
12. Invensys Controls	Carol Stream	61. Pyramid Electrical Contractors	Fairview Heights
13. Midstate Renewable Energy Service	Champaign	62. Jansen Heating	Freeport
14. 101 Celsius	Chicago	63. Habi-Tek	Geneva
15. Able Distributors	Chicago	64. WinSol Power Company	Glenview
16. Aerotecture International	Chicago	65. Guarantee Electrical	Granite City
17. Atlas Tube	Chicago	66. Unistrut Energy Solutions	Harvey
18. Burnham	Chicago	67. Highland Park Electric	Highland Park
19. Chicago Wind and Solar	Chicago	68. Fanuc Robotics	Hoffman Estates
20. CIC Energy and Supply	Chicago	69. Gere Marie	Lake Zurich
21. Earth Wind and Solar Energy	Chicago	70. Aldridge Electric	Libertyville
22. Fabricating and Welding Corp.	Chicago	71. Dersch Energies	Mount Carmel
23. G-Tech Energy	Chicago	72. WCP Solar Services	Naperville
24. Gabriel Environmental	Chicago	73. MicroLink	Niles
25. Good Electric	Chicago	74. Solar Service	Niles
26. Hardt Electric	Chicago	75. Chicago Solar Technologies	Northbrook
27. Invenergy	Chicago	76. Pure Energy Alternatives	Northbrook
28. Lincoln Renewable Energy	Chicago	77. Renewable Energy Alternatives	Northbrook
29. Meyer Electrical Construction	Chicago	78. Solar Xorce	Northbrook
30. Michael Stavy	Chicago	79. Fish Windows Cleaning	Northfield
31. NextGen Solar	Chicago	80. Angel Wind Energy	Onarga
32. PVPower	Chicago	81. WindSolarUSA	Owaneco
33. RSMR Global Resources	Chicago	82. Schneider Electric	Palatine
34. S&C Electric	Chicago	83. Millennium Electrical	Park Forest
35. Sargent & Lundry	Chicago	84. Wind and Solar by Blackshor	Peoria
36. Scott Balice Strategies	Chicago	85. Advanced Enregy Solutions Group	Pomona
37. SoCore Energy	Chicago	86. Air Specialists	Quincy
38. SolAir Works	Chicago	87. Solergy	Rockford
39. Solargenix Energy	Chicago	88. Wanxiang New Energy	Rockford
40. SolarWerks/ Urban Renewable Energy	Chicago	89. Energy 360 Solutions	Rolling Meadows
41. Sun Phocus	Chicago	90. Metropolitan Industries Inc	Romeoville
42. Tesla Solar Technologies	Chicago	91. Haenig Electric Company	Springfield
43. Trainor Solar	Chicago	92. SHARE Energy	St. Charles
44. Unique Solar Solutions	Chicago	93. Mid America Advanced Power Solutions	Swansea
45. UPC Solar	Chicago	94. Dahlquist Heating & Cooling	Sycamore
46. US Solar Power Corporation	Chicago	95. Tick Tock Energy	Teutopolis
47. Windfree	Chicago	96. Solar Electric	Thornton
48. Windy City Renewable Energy	Chicago		
49. Building Energy Experts	Crystal Lake		



# Cleaning Up the Midwest's Electricity Sector: Developing Clean Energy and Reducing CO<sub>2</sub> Pollution





## **ENVIRONMENTAL LAW & POLICY CENTER**

**The Environmental Law & Policy Center is the Midwest's leading environmental legal advocacy and eco-business innovation organization.**

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