

Summary of District Heating Systems in the United States, 1877-2020

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This study has identified 480 commercial district heating systems that were built in the United States between 1877 and 2020, with 397 (83%) of those built by 1918. Of the total number built, 68 systems are still operating. Other systems will likely be found and added to this list, but many smaller systems did not leave deep footprints in the historical record. This study does not include several small district heating systems operating in Alaskan villages.

The oldest commercial system still operating began service in Denver in 1880, while a system covering several business blocks in downtown St. Paul was started in 1879 by John Vann and was operating as late as 1913. His system may have become a part of the later Northern States Power district steam system that was sold to District Energy St. Paul in 1981, but that has not been confirmed.

Systems Built in Each Time Period						
Years	1877-1900	1901-1925	1926-1950	1951-1975	1976-2000	2001-2020
Number Built	159	252	34	14	18	3
Average Service Life (years)	53.8	42.2	46.8	49.8	30.3	6.3
Still operating	17	14	6	12	16	3

District heating has a very long history, with a system in Chaudes-Aigues, France, having operated continuously since the 14th Century. A few industrial and institutional facilities in the United States used district heating before 1877, including an 1853 system at the United States Naval Academy in Annapolis, Maryland, but the first successful commercial system to heat multiple buildings was built in 1877 by Lockport, New York inventor Birdsill Holly. He secured several patents and formed the Holly Steam Combination Company, Ltd., with Dr. David F. Bishop, Barnett D. Hall, Samuel Rogers, Francis N. Trevor, Isaac H. Babcock and Mortimer M. Southworth. This company had a capital stock of \$25,000 and built nineteen systems by 1881, including several for institutional customers, and proposed additional systems in other cities. Holly's idea attracted several competitors, including several that used hot water and are discussed later in this summary.

Holly's success led to the January 1881 incorporation of the American District Steam Company with a capital of \$10 million. This company continued to develop new plants well into the Twentieth Century and survives as AdSCO Manufacturing LLC in Buffalo.

Holly's initial system in Lockport served 40 residences, two larger building, and two steam engines, distributing "live" steam from boilers at 40 psig / 2.8 barg which was typical for early systems. The Holly Company's *Third Annual Announcement* mentions that the new Edison Electric Light "requires steam power in order to generate electricity for his subdivided light" and that numerous small electric generating plants could be supplied from a single Holly steam system. The only known example of this was the second Edison electric station in Manhattan that opened in 1886 at 60 Liberty Street and was driven by steam from the New York Steam Company.

Many buildings used steam engines to run elevators and manufacturing processes and in 1887 the New York Steam Company was reportedly serving 435 engines. As late as 1890 the American District Steam Company envisioned a future of small distributed electric generators powered by district steam systems.

Holly wanted to capitalize on this concept by introducing the “Holly Double System” in Lynn, Massachusetts and New Haven, Connecticut in 1880. This system employed a dual pressure network, with live steam at 70 psig / 4.8 barg powering customer’s steam engines, and the exhaust steam at 5 to 10 psig / $\frac{1}{3}$ to $\frac{2}{3}$ barg was then sold to heat other buildings through a separate low-pressure pipeline network. The Lynn plant only operated for a short period, but the idea of distributing exhaust steam from electric light plants would become very popular.

The earliest recorded instance of an electric light company selling exhaust steam was the Edison Electric Illumination Company of Lawrence, Massachusetts in August 1885 and several were doing so by 1890. Many early electric companies sold power for arc lights and street lighting and only operated from sunset to 10 pm or midnight. As their customers adopted appliances and electric motors 24-hour service became the norm, greatly expanding the opportunity to use exhaust steam for heating. Articles about exhaust steam heating from electric plants began to appear in engineering journals in 1891, and the following year the American District Steam Company published an updated pamphlet that highlighted the advantages of exhaust steam heating. Exhaust steam installations expanded rapidly, with 33 systems built in the peak year of 1901. The number of systems operating reached a peak of 352 in 1916, almost all of which operated in conjunction with electric light plants. Only about five percent of the 6,543 commercial and municipal central electric stations then in operation used district heating. Although most of these systems distributed steam, 61 low temperature hot water systems were built between 1894 and 1920, which is discussed in the last section of this summary. In 2020 only three electric utilities utilize district heating.

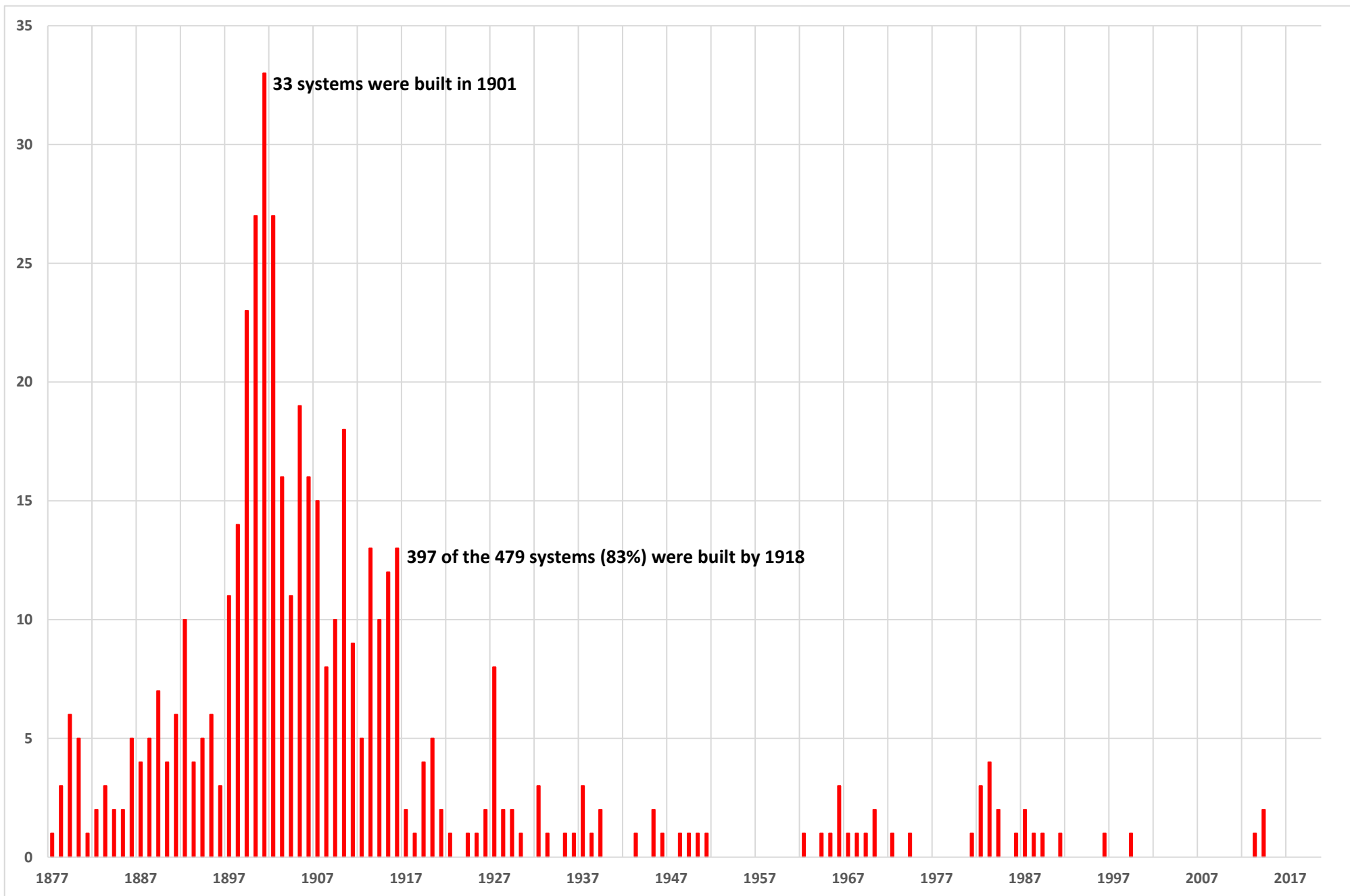
World War I was a watershed for the district heating industry. Wartime coal shortages and price inflation drove many small systems out of business. After the war, consolidation of the electric industry accelerated with the construction of large hydroelectric plants and condensing steam generating units. Improvements in electric transmission networks allowed this cheaper power to be delivered over longer distances, making many small electric plants uneconomical even with exhaust steam service. These trends led to a gradual decline in the number of operating district heating systems as shown on the accompanying graph.

A small uptick in plant construction occurred in the 1920s and 1930s, but after 1951 no new district systems were built until the natural gas industry began building district heating and cooling systems in the 1960s to gain market share from electric utilities. The Clean Air Act of 1970 forced many plants to convert to oil, while the oil shocks of the 1970s resulted in significant fuel price increases while leading to the realization that energy supplies and energy conservation are vital to national security. Federal and state governments funded dozens of studies to preserve existing district heating systems and build new ones, but with limited success. Several geothermal district heating systems were built and European hot water piping systems were introduced as discussed in the last section of this summary.

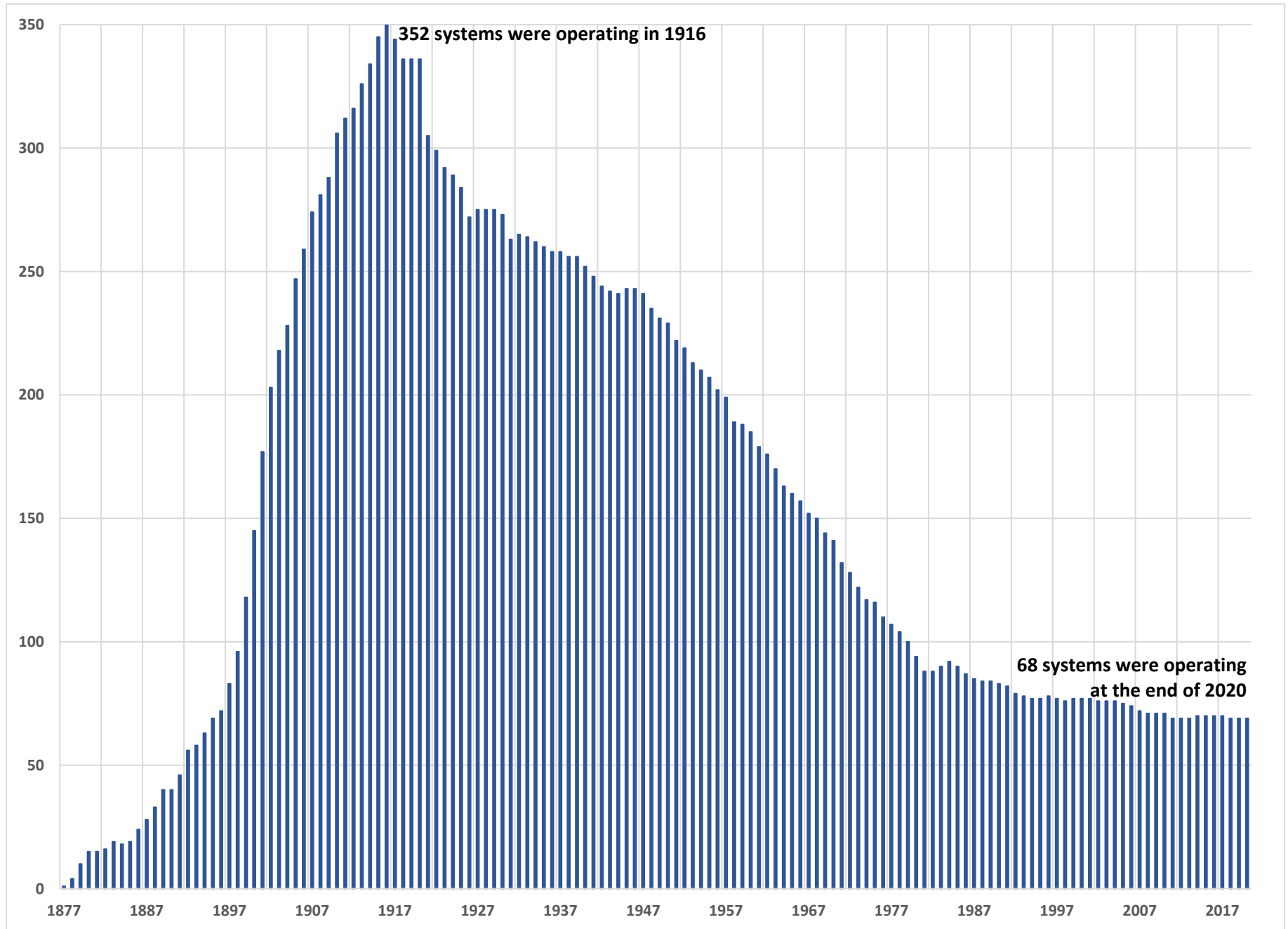
The following two charts show the number of district heating systems built each year from 1877 to 2020 and the number of systems that were operating each year. The subsequent table is a chronological list of all 480 systems built, with those still operating show in bold and listed in the “Op. No” column. The beginning and ending date for each system is shown, with estimated dates shown in italics. A separate list of 68 operating systems is also included.

The information included in this summary was obtained from a variety of historical resources and is believed to be correct, but please feel free to send any corrections and additions.

Number of Commercial District Heating Systems Built Each Year from 1877 to 2020



Number of Commercial District Heating Systems Operating Each Year From 1877 to 2020



Chronological List of Commercial District Heating Companies in the United States, 1877-2020

No.	HW	Op No.	Year	City	State	Owner	Shut Down	Notes
1			1877	Lockport	NY	Holly Steam Combination Company (limited)	1969	
						American District Steam Company (1881)		
						Economy Light, Fuel & Power Co. (1903)		
						New York State Electric & Gas Co.		
2			1878	Auburn	NY	Auburn Steam Heating Company	1926	
						Auburn Electric Company		
						Empire Gas and Electric Company		
3			1878	Detroit (1)	MI	Detroit Steam Supply Company	1884	
4			1878	Springfield (1)	MA	Springfield Gas Light Company	1903	
5			1879	Milwaukee (1)	WI	Milwaukee Steam Supply Company	1881	
6			1879	Troy	NY	Troy Steam Heating Company	1883	
7			1879	Belleville	IL	Belleville Steam Supply Company	1889	Owned by Jacob Brosius
						St. Clair Steam Supply and Electric Light Company (1882)		
8			1879	Dubuque	IA	Dubuque Steam Supply Company	1892	
						Dubuque Consumers Steam Supply Company		
9			1879	Garden City	NY	A. T. Stewart	1880	System taken over by local church.
10	E2	1	1879	Saint Paul (1)	MN	John Wann		Converted to hot water in 1983; District Energy St. Paul
						Economy Steam Heat Company (1884)		
						St. Paul Light, Heat and Power (1891)		
						Northern States Power (1910)		
11			1880	New Haven	CT	New Haven Heat Supply Company	1908	
						New Haven Heating Company (1884)		
						Frederick A. Carleton (1892)		
12			1880	Hartford (1)	CT	Hartford Steam Company	1892	
						Hartford Electric Light Company		
13			1880	Burlington	IA	Burlington Steam Supply Company	1920	
14			1880	Lynn	MA	Citizens' Steam and Gas Company of Lynn	1883	
15		2	1880	Denver	CO	Denver City Steam Heating Company		Oldest commercial district heating company in North America; Oldest commercial steam heating company in the world.
						Public Service Company of Colorado (1909)		
16			1881	Davenport	IA	Davenport Steam Heating Company	1942	
						Davenport Consolidated Gas, Electric Light and Steam Heating Company (1895)		
						Peoples Light Company (1917)		
17		3	1882	New York City (1)	NY	New York Steam Company		Largest district heating system in North America; Con Edison
						New York Steam Corporation (1921)		
						Con Ed (1954)		
18			1882	New York City (2)	NY	American Heating and Power Company	1883	
19			1883	Clearfield	PA	Clearfield Steam Heating Company	1956	
						Pennsylvania Electric Company (1912)		
20			1883	Philipsburg	PA	Philipsburg Steam Heating Company	1957	
						Pennsylvania Electric Company (1912)		
21			1883	Bellefonte	PA	Bellefonte Gas and Steam Heating Company	1916	
22			1884	Williamsport	PA	Williamsport Steam Company	1917	
23			1884	Lock Haven	PA	Lock Haven Illuminating, Heating and Power Co.	1916	
24		4	1885	San Francisco	CA	United Light & Power Co. of San Francisco (exhaust steam)		Now owned by Clearway Thermal
						Pacific Gas & Electric (high pressure steam)		
						Thermal Ventures (1993)		
						NRG		
25			1885	Lawrence	MA	Edison Electric Illuminating Co of Lawrence	1900	Exhaust steam
26	H1		1886	Washington	DC	Washington Heat & Power Co.	1889	Prall high-temperature hot water system
27			1886	Topeka (1)	KS	Topeka Steam Heating Company	1889	
28			1886	Wilkes-Barre	PA	Pennsylvania Power & Light	1990	
						Wilkes-Barre Company (1951)		
						Steam Heat Authority		
29			1886	Tyrone	PA	Home Electric Light and Steam Heating Company	1946	
30		5	1886	Harrisburg	PA	Harrisburg Light & Power Company		Now owned by Clearway Thermal
						Pennsylvania Power & Light		
						Statoil		
						NRG (2000)		
31			1887	Hazleton	PA	Hazleton Steam Heating Company	1920	
32			1887	Reading	PA	Reading Steam Heat and Power Company	1968	
33			1887	Bloomsburg	PA	Bloomsburg Heating Company	1968	
34			1888	Attleboro	MA	Attleboro Steam & Electric Company	1920	
35	H2		1887	Boston(1)	MA	Boston Heating Company	1889	Prall high-temperature hot water system
36			1888	Pottsville	PA	Pottsville Steam Heat & Power Company	1972	
37			1888	Allentown	PA	Allentown Steam Heating & Power Company	1968	
38			1888	Lebanon	PA	Lebanon Steam Company	1966	

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No.	HW	Op No.	Year	City	State	Owner	Shut Down	Notes
39			1888	Salt Lake City	UT	Salt Lake Power, Light and Heating Company	1996	Heating plant sold to LDS Church.
						Utah Light & Traction		
						Utah Power & Light		
40			1889	Ackley	IA	Ackley Electric Light & Heating Co City of Ackley (1906)	1933	Homemade exhaust steam
41			1889	Ottumwa	IA	Ottumwa Electric and Steam Company	1956	Exhaust steam
42	44	6	1889	Indianapolis	IN	Marmon-Perry Light Company		Yaryan hot water system installed in 1902; converted to steam in 1929; Citizens Energy
						Home Heating and Lighting Company		
						Indianapolis Power & Light (1927)		
43		7	1889	Kansas City	MO	Edison Electric Lighting Company: Trigen (1990)		Exhaust steam Now owned by Vicinity Energy
44		8	1889	Philadelphia	PA	Edison Electric Light Company of Philadelphia		Now owned by Vicinity Energy
						Philadelphia Steam Company		
						Philadelphia Thermal Energy Corporation (1987)		
						Trigen		
45			1889	Syracuse	NY	Syracuse Heat & Power Company Municipal Heating Company of Syracuse (1903)	1910	
46			1889	Chester	PA	Chester Steam Heating and Power Company	1900	Exhaust steam
47			1890	Duluth (1)	MN	Duluth-Edison Electric Co	1920	Exhaust steam
48			1890	Springfield	IL	Springfield Electric Light and Power	1968	Exhaust steam
49			1890	Missoula	MT	Missoula Mercantile Company	1960	
						Missoula Light & Water Company (1906)		
50		9	1890	Seattle	WA	Seattle Electric Company		Owned by Enwave
						Diamond Ice Company		
						Seattle Steam Heat & Power Company		
						Enwave (2014)		
51	39		1891	Des Moines	IA	Des Moines Steam Heating Co. Iowa Light, Heat & Power Co.	1905	Added hot water in 1902
52			1891	Sioux City	IA	Boston Investment Company	1980	
53			1891	Presque Isle	ME	Presque Isle Electric Company	1920	
54			1891	Buffalo (1)	NY	Thompson-Houston Electric Co.	1898	
55	10		1961	Greece	NY	Eastman Kodak Company; RED-Rochester LLC		Eastman Business Park
56			1891	Tacoma	WA	Syndicate Heat & Power	1979	
						Tacoma District Heating Co		
						Consumers Central Heating Co (1919)		
57	18		1892	Carroll	IA	Carroll Electric Light & Power Co.	1973	Exhaust steam initially, replaced by hot water in 1900
						Iowa Public Service Company		
58		11	1892	Cedar Rapids	IA	Cedar Rapids Electric Light and Power Co.		Provides high pressure steam to two customers; Alliant Energy
						Iowa Power & Light		
59			1892	Grinnell	IA	Grinnell Electric Light Co	1960	Exhaust steam
						Grinnell Electric & Heating Co.		
						Iowa Southern Utilities		
60			1892	Malvern	IA	Malvern Light & Power	1925	
						Continental Gas & Electric		
61			1892	Marion	IA	Addison L. Daniels Gas & Electric Works	1940	Exhaust steam
						Marion Light, Heat & Power Co		
						Iowa Electric Light & Power		
62	G1	12	1892	Boise (1)	ID	Artesian Hot and Cold Water Company		Geothermal Hot Water; Boise Warm Springs Water District
						Boise Warm Springs Water District		
63			1892	Pittsfield	MA	Pittsfield Electric Light Company	1971	Exhaust steam
						Western Massachusetts Electric Co		
64			1892	St. Joseph	MO	St. Joseph Light & Power Co.	1978	Exhaust steam
65			1892	Brooklyn	NY	Edison Electric Illuminating Co.	1905	Live steam for power and exhaust steam for heating
66			1892	Shenandoah	PA	Shenandoah Heat & Power Company	1919	Exhaust steam
						Home Steam Heat and Power Company (1906)		
67			1893	Aurora	IL	Aurora Street Railway Company	1964	Exhaust steam
68			1893	Sycamore	IL	DeKalb-Sycamore Electric Co	1941	
						Illinois Power Co.		
69			1893	Winona	IL	Warsaw General Electric Co,	1923	
						Winona Electric Light & Water Co		
70			1893	Overbrook	PA	Overbrook Steam Heat Company	1973	
71			1894	Butte	MT	Phoenix Electric Light & Steam Heating Co	1950	
72			1894	Fredonia	NY	Dunkirk & Fredonia Railway Company	1916	
						Central Station Heating and Construction Company (1910)		
73		13	1894	Rochester	NY	Rochester Gas & Electric Corporation		Rochester District Heating Cooperative
						Rochester District Heating Cooperative (1985)		
74	1		1894	Toledo	OH	Central Chandelier Co.	1985	Residential hot water service discontinued in the early 1940s; business district hot water service discontinued in 1965; steam discontinued 1985
						Home Heating & Lighting Co.		
						Toledo Gas, Electric & Heating Company (1905)		
						Toledo Railways & Light Company		
						Toledo Edison Company		

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75			1894	Scranton	PA	Economy Steam Heat Company	2006	
						Scranton Electric Company (1907)		
						Scranton Steam Heat Company (1956)		
						Community Central Energy Corporation (1973)		
76			1895	Eagle Grove	IA	Eagle Grove Electric Iowa Public Service	1980	Plant sold to Ag Processing, Inc. to produce steam and elect
77			1895	Spencer (1)	IA	Spencer Electric Light & Power Co	1901	Homemade exhaust steam
78			1895	Webster City	IA	City of Webster	1970	Exhaust steam
79			1895	Danville	IL	Danville Electric Light and Power Co	1960	
80		14	1895	Boston (2)	MA	Edison Electric Illuminating Company Catalyst Energy Corp (1986)		Now owned by Vicinity Energy
81			1895	Germantown	PA	Germantown Steam Company	1963	
82			1896	Eldora	IA	Eldora Electric Company Iowa River Light & Power	1917	
83			1896	Greenville	PA	Peoples Electric Light, Heat & Power Company Mercer County Light, Heat and Power (1916)	1921	
84			1896	Towanda	PA	Towanda Electric Illuminating Company City Heat Company	1963	Exhaust steam
85			1897	Davenport	IA	Davenport Gas & Electric Co	1943	
86			1897	Muscatine	IA	Muscatine Electric Railway Co.	1902	
87			1897	Taylorville	IL	Steam Heating Plant of Taylorville	1978	ADSCO exhaust steam
						Taylorville Gas & Electric Company (1905)		
						Central Illinois Public Service Company		
						Taylorville Heat Cooperative (1951)		
88	2		1897	La Porte	IN	La Porte Electric Company	1952	Yaryan hot water system
89			1897	Topeka (2)	KS	Edison Electric Illuminating Company	1984	Exhaust steam
						Illinois Traction (1910)		
						Kansas Power & Light (1927)		
90			1897	Cumberland	MD	Edison Electric Illuminating Company of Cumberland Potomac Edison (1923)	1964	
91		15	1897	Grand Rapids	MI	Edison Electric Light Company		Now owned by Vicinity Energy
						Consumers Energy Company (1915)		
						Kent County (1962)		
						Veolia (2006)		
92			1897	Laconia	NH	Belknap Electric Power Company	1920	
93			1897	Newburgh	NY	Consolidated Gas, Electric Light, Heat, & Power Co of Newburgh	1953	
						Central Hudson Gas and Electric Company		
94			1897	Tiffin	OH	Tiffin Edison Illuminating Company Ohio Edison (1911)	1916	
95			1897	Mahanoy City	PA	Anthracite Light, Heat & Power Company	1930	
						Pennsylvania Power & Light Company (1929)		
96			1898	Grundy Center	IA	Grundy Center Electric Light Co	1973	
						City of Grundy		
97	3		1898	Missouri Valley	IA	Missouri Valley Electric Company	1962	Yaryan hot water; converted to steam around 1929
98			1898	Parkersburg	IA	Parkersburg Electric Light, Heat & Power Co	1914	Exhaust steam
99			1898	Chicago	IL	Illinois Maintenance Company	1979	
100	4		1898	Mattoon	IL	Mattoon Heat, Light and Power Company	1935	Yaryan hot water system
101			1898	Fort Scott	KS	Fort Scott Steam Heating Co	1952	ADSCO exhaust steam
						Fort Scott Gas & Electric Co (1901)		
						Community Power & Light (1922)		
						Kansas City Power & Light (1952)		
102			1898	Erie	PA	Home Heating Company	1991	Building now houses the Erie Maritime Museum
						Erie Lighting Company (1899)		
						Pennsylvania Electric Company (1942)		
103			1898	York	PA	York Steam Heating Company	1977	Exhaust steam
						Metropolitan Edison		
104			1898	Geneva	NY	Geneva NY Geneva Steam Heating Company	1908	
						Empire Gas & Electric Company		
104			1898	Hornell	NY	American Heating Company	1948	
						Hornell Electric Company		
						New York State Electric & Gas Corporation		
105			1898	Penn Yan	NY	Penn Yan Steam Heating Company	1948	
107			1898	Springfield	OH	Springfield Light, Heat & Power Co	1980	
						Ohio Edison		
108	5		1898	La Crosse	WI	La Crosse Gas & Electric Company	1969	Yaryan hot water system
109	6		1898	Portage	WI	Portage Electric Light Company	1951	Yaryan hot water system
110			1899	Boone	IA	Boone Heating Company	1962	Yaryan hot water system
						Iowa Electric Light & Power		
111			1899	Ida Grove	IA	Ida Grove Electric Company	1966	Yaryan hot water system
						Iowa Public Service Company		

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112	9		1899	Iowa Falls	IA	Iowa Falls Electric Light & Power Co. Iowa Electric Light & Power	1963	Yaryan hot water system
113	10		1899	Mason City	IA	Brice Gas and Electric Company Interstate Power Company	1970	Yaryan hot water system
114	11		1899	Perry	IA	Iowa Electric Light & Power	1981	Yaryan hot water system
115	12		1899	Red Oak	IA	Red Oak Electric Light Company Iowa Power & Light	1954	Evans-Almirall hot water system
116	13		1899	Alton	IL	Alton Gas & Electric Company	1918	Yaryan hot water system
117			1899	Hillsboro	IL	Hillsboro Electric Co	1924	
118	14		1899	Jerseyville	IL	Jerseyville Light, Heat & Power Co Central Illinois Public Service Company (1912)	1916	Yaryan hot water; converted to steam around 1912
119			1899	La Salle	IL	Marquette Heat & Light Co	1920	
120			1899	Pekin	IL	Pekin Electric Co. Central Illinois Power	1934	
121			1899	Watseka	IL	Watseka Electric Company Central Illinois Public Service	1917	
122	15		1899	Waukegan	IL	Waukegan Electric Co.	1924	Hot water
123	16		1899	Terre Haute	IL	Terre Haute Traction & Light Company Citizens Mutual Heating Company (HW)	1947	Hot water discontinued 1947
124			1899	Crookston	MN	Crookston Water Works, Power & Lighting Red River Valley Power (1924) Interstate Power (1926)	1926	ADSCO exhaust steam
125			1899	St. Cloud	MN	Benton Power & Traction Company St. Cloud Light, Heat, Transit and Public Service	1905	
126			1899	Sedalia	MO	Sedalia Steam Heating Company Economy Steam Heating & Lighting	1920	
127			1899	Newark	NY	Newark Light, Heat and Power Company Central New York Gas and Electric Company	1919	
128			1899	Mt. Pleasant	PA	People's Heating Co	1915	
129			1899	Wilkinsburg	PA	Pennsylvania Heat & Power Co.	1915	
130			1899	Pawtucket	RI	Pawtucket Electric Co	1920	
131	17		1899	Kenosha	WI	Kenosha Gas & Electric Company Wisconsin Gas & Electric (1912)	1920	Yaryan hot water system
132			1899	Marinette	WI	Marinette Electric Light & Street Railway Co Menominee and Marinette Light and Traction (1903)	1915	
133			1900	Colorado Springs	CO	Colorado Springs Electric Company Colorado Springs Light, Heat & Power Co (1910)	1920	Exhaust Steam
134			1900	Waterbury	CT	Connecticut Light & Power	1926	
135			1900	Atlanta	GA	Atlanta Steam Company Georgia Power (1902)	1988	
136	19		1900	Cresco	IA	Cresco Light, Heat & Power Interstate Power (1912)	1912	Hot water
137	20		1900	Bloomington	IL	A. E. Demange Consumers Heat and Electric Company City District Heating Company Bloomington & Normal Railway, Electric & Heating Co Illinois Power & Light	1971	Hot water discontinued in 1923
138			1900	Champaign	IL	Urbana & Champaign Railway, Gas & Electric Illinois Power	1959	
139			1900	Charleston	IL	Charleston Light, Heat & Power Co.	1921	
140	21		1900	Evanston	IL	Evanston Yaryan Co. Public Service Company of Northern Illinois	1949	Yaryan hot water system
141			1900	Paris	IL	Paris Gas Light & Coke Co. Central Illinois Public Service Co	1929	Yaryan hot water
142	22		1900	Paxton	IL	Paxton Electric Company Central Illinois Utilities (1913)	1927	Hot water initially, converted to steam after 1912.
143			1900	Peoria	IL	Peoria Gas & Electric Co.	1971	
144			1900	Urbana	IL	Urbana Light, Heat & Power Illinois Power Co	1957	
145			1900	Augusta	ME	Kennebec Light & Heat Central Maine Power	1912	
146			1900	Houghton	MI	Peninsula Light & Heat Company Houghton County Electric Company	1910	
147			1900	Menominee	MI	Menominee Electric Light & Street Railway Menominee and Marinette Light and Traction (1903)	1915	
148	23		1900	Owatonna	MN	Owatonna Electric Light & Heating Co. City of Owatonna (1925)	1982	Yaryan hot water; converted to steam in 1925 after city bought the system.
149			1900	Bismarck	ND	Hughes Electric Co. Montana-Dakota Utilities	1967	Exhaust steam
150			1900	Fargo	ND	Hughes Electric Co Light, Heat, Transit and Public Service Company of Fargo	1971	

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No.	HW	Op No.	Year	City	State	Owner	Shut Down	Notes
151			1900	Grand Forks	ND	Grand Forks Gas & Electric Co	1970	ADSCO exhaust steam
152		16	1900	Cleveland (1)	OH	Cleveland Electric Railway Company		Owned by Corix Cleveland Thermal
						Cleveland Electric Illuminating Company		
						Catalyst Thermal Energy (1987)		
						Corix Utilities (2015)		
153	24		1900	Delaware	OH	Gwynne Central Station Heating Company	1957	Yaryan hot water system; Residential hot water service discontinued around 1920; Heating plant sold to Ohio Wesleyan University around 1975
						Delaware Electric Light Heat and Power Co.		
						Ohio Utilities (1918)		
						Columbus and Southern Ohio Electric (1929)		
154		17	1900	Youngstown	OH	Youngstown Steam Heating Company		SOBE Thermal Energy Systems, LLC.
						Mahoning County Light Company (1915)		
						Youngstown Thermal Energy (1980)		
						SOBE Thermal Energy Systems, LLC. (2019)		
155			1900	Johnstown	PA	Johnstown Steam Heat Company	1969	
						Johnstown Light, Heat, and Power Company (1902)		
						Pennsylvania Electric Company (1944)		
156			1900	Washington	PA	Washington Steam Heating Co	1920	
						Washington Elec Lt & Power Co (1902)		
						West Penn Power Company (1911)		
157			1900	Cleburn	TX	Cleburn Electric Light Co	1920	
158			1900	Waxahachie	TX	Waxahachie Electric Light Co	1910	
159	25		1900	Janesville	WI	Janesville Electric Co.	1912	Hot water
160			1901	Idaho Springs	CO	Seaton Mountain Electric Light, Heat and Power	1919	Exhaust steam
161			1901	Buxton	IA	Consolidation Coal Company	1925	
162			1901	Centerville	IA	Citizens Electric Light and Gas Co	1961	
						Iowa Southern Utilities		
163			1901	New Hampton	IA	Electric Light Company	1963	
						City of New Hampton		
164			1901	Spirit Lake	IA	B. F. Stevens	1980	
						Town of Spirit Lake (gift from Stevens)		
165	26		1901	Bowling Green	IL	Bowling Green Electric Light & Power Co	1916	Hot water
						Lake Erie, Bowling Green & Napoleon Electric Railway		
166			1901	Oak Park	IL	Oak Park Light, Heat & Power Co.	1958	
						Public Service Company of Northern Illinois		
167			1901	Quincy	IL	Quincy Steam Heating Co	1951	
						Central Illinois Public Service Co		
168			1901	Pontiac	IL	Pontiac Electric Light and Power Co	1931	ADSCO exhaust steam
						Public Service Company of Northern Illinois		
169			1901	Urbana	IN	Urbana Light, Heat & Power Co.	1957	
						Illinois Power		
170	27		1901	Bedford	IN	Bedford Light, Heat & Power Co.	1921	Hot water
171	28		1901	Bloomington	IN	Central Indiana Lighting Co.	1920	Hot water
172	29		1901	Boonville	IN	Boonville Electric Light & Power Co.	1941	Hot water
						Southern Indiana Gas & Electric (1930)		
173	30		1901	Marion	IN	Marion Lighting & Heating Co.	1957	Hot water
174			1901	Muncie	IN	Muncie Electric Light Co.	1966	Exhaust steam
175	31		1901	Noblesville	IN	Noblesville, Heat, Light & Power Co.	1939	Hot water
176	32		1901	Princeton	IN	Princeton Light & Power	1924	Yaryan hot water
177			1901	Rochester	IN	Rochester Light, Heat & Power Co.	1942	Exhaust steam
178	33		1901	Sullivan	IN	Sullivan Heat, Light & Power Co	1908	Hot water
179		18	1901	Lansing	MI	Imanz A. Piatt and Fred B. Piatt		Lansing Board of Water and Light
						Piatt Power and Heat Company (1904)		
						Michigan Power Company (1906)		
						Lansing Board of Water and Light (1919)		
180	34		1901	Albert Lea	MN	Albert Lea Electric Co	1957	Evans-Almirall hot water; converted to steam in 1922
						Minnesota Gas & Electric (1911)		
						Interstate Power		
151			1901	Long Prairie	MN	City of Long Prairie	1919	
182			1901	Pipestone	MN	Pipestone Electric Light, Heat and Power	1920	
						Northwest Light & Power (1914)		
						Northern States Power (1917)		
183			1901	Glendive	MT	Eastern Montana Light & Power	1962	
						Montana-Dakota Utilities Company		
184			1901	Dunkirk	NY	A. W. Cummings	1917	
						Dunkirk Power and Heating Company		
185	35		1901	Bowling Green	OH	Bowling Green Electric Light & Power	1920	Yaryan hot water system
						Lake Erie, Bowling Green & Napoleon Railway Co		
186	36		1901	Columbus	OH	Indianola Land & Power Company	1905	Yaryan hot water system; Exhaust steam
						Columbus Railway & Light		

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No.	HW	Op No.	Year	City	State	Owner	Shut Down	Notes
187	37		1901	Coshocton	OH	Merchants Electric Light & Power Company Coshocton Light & Heating Company	1928	Schott hot water system
188			1901	Leipsic	OH	Leipsic Light, Heat & Power North Western Ohio Light Co (1915)	1920	
189			1901	Van Wert	OH	Public Service Company of Van Wert	1917	
190	38		1901	Washington Court House	OH	Washington-Smead Hot Water Company Washington Heat & Electric (1906) Dayton Power & Light (1926)	1950	Smead hot water system
191			1901	Montrose	PA	Montrose Electric Light, Heat and Power Co.	1915	
192			1901	Renovo	PA	Renovo Edison Light, Heat and Power Co Renovo Heat Company (1912)	1970	
193			1902	Bristol	CT	Bristol & Plainville Tramway Co Connecticut Light & Power (1927) Bristol Steam Heat Co (1945)	1947	
194	40		1902	Belvidere	IL	Belvidere IL Belvidere Gas & Electric Illinois Northern Utilities (1912) Belvidere Heating Company (1920)	1940	Initially Yaryan hot water, some customers converted to steam in 1920 when hot water was discontinued.
195			1902	Clinton	IL	Clinton Gas Company Illinois Power Company	1947	ADSCO exhaust steam
196			1902	Rockford	IL	Central Heat & Power	1973	
197			1902	Tuscola	IL	Tuscola Water & Light Tuscola heat consumers	1923	
198			1902	Brazil	IN	A. Dinkle Florist	1907	
199	41		1902	Connersville	IN	Light Heat & Power Co.	1920	Hot water
200	42		1902	Elwood	IN	Elwood Electric Light Co.	1935	Hot water
201	43		1902	Fowler	IN	Fowler Utilities Co. Interstate Public Service	1920	Hot water
202	45		1902	Lafayette	IN	Merchants Heating and Lighting Company	1947	Schott hot water system
203	46		1902	New Castle	IN	New Castle Light, Heat & Power Co.	1926	Hot water
204	47		1902	Peru	IN	Peru Heating Co.	1934	Hot water
205			1902	Salina	KS	Kansas Ice & Storage Co.	1930	
206			1902	Detroit Lakes	MN	City of Detroit Lakes	1987	
207			1902	Lincoln (1)	NE	Lincoln Heat, Light & Power Lincoln Traction (1909) Iowa-Nebraska Light & Power (1930) Consumers Public Power District (1942) Lincoln Electric System (1964)	1977	
208	48		1902	Atlantic City (1)	NJ	New Jersey Hot Water Heating Co.	1960	Hot water
209	49		1902	Ada	OH	Ada Water, Light & Heat Co	1920	Hot water
210			1902	Altoona	OH	Citizens Electric Light, Heat, & Power Co.	1947	
211	50		1902	Findlay	OH	Findlay Street Railway Co,	1920	Yaryan hot water system
212	51		1902	Fremont	OH	Fremont Yaryan Co. Ohio Power Co. (1913)	1936	Yaryan hot water system
213			1902	Lima	OH	Ohio Power Co.	1955	
214			1902	New Philadelphia	OH	Ohio Service Co.	1952	
215			1902	Bangor	PA	Bangor Electric Light, Heat & Power Co. Bangor Steam Heat Co. (1913)	1968	
216			1902	Easton	PA	Peoples Steam Heat & Power Co Metropolitan Edison	1967	
217			1902	West Chester	PA	Edison Electric Illuminating Co. of West Chester Pennsylvania Electric Company West Chester Steam Heating & Power Co.	1973	Exhaust steam
218			1902	Norristown	PA	Norristown Light & Steam Heat Company	1920	
219			1902	Brookings	SD	City of Brookings	1985	
220			1903	Birmingham	AL	Birmingham Railway, Light and Power Company Alabama Power Company	2013	Exhaust steam
221			1903	Paducah	KY	Paducah Steam Heating Co Paducah Electric (1919)	1923	
222			1903	Clarinda	IA	Lee Electric Light Co Iowa Power & Light	1964	
223			1903	Vinton	IA	Iowa Electric Light & Power	1962	Exhaust steam
224			1903	Decatur	IA	Decatur Steam Heating Co. Iowa Power Co.	1957	
225			1903	Galesburg	IL	Galesburg Railway & Light Co	1957	
226			1903	Lincoln	IL	Lincoln Street Car & Heating Co	1916	
227	52		1903	Mt. Vernon	IL	Mt. Vernon IL Citizens Gas, Electric & Heating Southern Illinois Light & Power (1919)	1921	Schott hot water system
228			1903	Rensselaer	IL	City of Rensselaer	1940	
229			1903	White Hall	IL	White Hall Sewer Pipe & Stoneware Co Central Illinois Public Service Co. White Hall heating consumers	1922	

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230			1903	Anderson (1)	IN	Home Heating Company Central Heating Company	1925	
231		19	1903	Baltimore	MD	Baltimore Refrigerating and Heating Company Baltimore Gas and Electric (1929) Catalyst Thermal Energy (1985) Trigen (1993) Veolia		Now owned by Vicinity Energy
232			1903	Adrian	MI	Citizens Light & Power Company	1962	
233		20	1903	Detroit (2)	MI	Central Heating Company Murphy Power Company Detroit Edison (1914) Thermal Ventures II, L. P. (2003) Detroit Thermal (2014)		Detroit Thermal, LLC
234			1903	Waterville	NY	Waterville Gas & Electric Company	1922	
235	53		1903	Piqua (1)	OH	Miami Light, Heat & Power Company Dayton Power & Light (1915)	1928	Evans-Almirall Hot Water System
236	54		1904	Little Rock	AR	Little Rock AR Little Rock Heating Company Central Heating and Manufacturing Co (1907) Little Rock Railway & Electric (1915) Arkansas Power & Light	1952	Schott hot water, converted to steam in 1914
237			1904	Vinton	IA	Vinton Pearl Button Manufacturing Co. Iowa Electric Light & Power (1937)	1961	
238			1904	Mooreville	IN	Public Service Co. Mooreville Utilities (1920)	1921	Exhaust steam
239			1904	Carrollton	IL	Carrollton Light, Heat and Power Co Central Illinois Power Co	1921	
240			1904	DeKalb	IL	DeKalb Electric Co Northern Illinois Gas Co. (1956)	1957	
241			1904	Kewanee	IL	Kewanee Light & Power Co Kewanee Central Heating Co (1925)	1937	
242			1904	Pana	IL	Pana Gas, Light, Fuel and Heating Co Pana Gas & Electric (1905) Central Illinois Power Co (1912)	1946	
243			1904	Pittsburg	KS	Pittsburg Water Supply Co City of Pittsburg (1911)	1959	
244		21	1904	St. Louis	MO	Union Electric Light & Power Company Thermal Resources (1984) Trigen (1993) Ashley Energy (2017)		Distribution system owned by city of St. Louis; Plant owned by Ashley Energy
245			1904	Beaver Dam	WI	Beaver Dam Light & Power Co. Wisconsin Power & Light	1950	
246			1904	Cheyenne	WY	Cheyenne Light, Fuel & Power Co.	1979	
247		22	1905	Fairbanks	AK	Northern Commercial Company City of Fairbanks (1952) Aurora Energy Company (1998)		Owned by Aurora Energy
248			1905	Walsenburg	CO	Walsenburg Light, Power & Ice Co	1913	
249			1905	South Norwalk	CT	City of South Norwalk	1911	
250			1905	Morrisonville	IL	Morrisonville Electric Co Southern Illinois Light & Power	1925	
251			1905	Mowequa	IL	Mowequa Electric Company Central Illinois Public Service	1916	
252			1905	Huntington	IN	The Huntington Light & Fuel Co.	1939	Exhaust steam
253			1905	Thorntown	IN	Town of Thorntown	1927	
254			1905	Peabody	MA	City of Peabody	1925	
255			1905	Pontiac	MI	Detroit Edison Consumers Power	1930	
256			1905	Yale	MI	Village City of Yale	1917	
257	55		1905	Kirksville	MO	Missouri Heat Light & Power	1965	Hot water
258			1905	Ellendale	ND	Ellendale Electric Co Montana-Dakota Utilities	1964	
259			1905	Minot	ND	Minot Light & Telephone Co Northern States Power Co	1965	
260			1905	York	NE	York Gas & Electric	1955	
261			1905	Waterville	NY	Waterville Gas & Electric Company	1922	
262			1905	Oberlin	OH	Oberlin Gas & Electric Co	1923	
263			1905	McMinnville	OR	Central Heating Co.	1920	
264			1905	Mobridge	SD	Mobridge Light, Heat & Power Co	1980	
265			1905	Mineral Point	WI	Mineral Point Electric Light Co	1925	
266			1906	Guthrie Center	IA	Guthrie Center Electric Light Co. Iowa Electric Co.	1917	
267			1906	Manchester	IA	Manchester Heat, Light & Power Co	1930	

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268			1906	Story City	IA	City of Story City	1930	
269			1906	Stuart	IA	City of Stuart	1930	
270			1906	Traer	IA	Traer Electric Company	1974	
	Iowa Railway & Light							
	City of Traer							
271			1906	Hoopeston	IL	Hoopeston Gas & Electric	1913	
272	56		1906	Mt. Carmel	IL	Mt. Carmel IL New Electric Company	1920	Hot water
						Mt. Carmel Public Service & Utility Co.		
273			1906	Viriden	IL	Viriden Electric Light Co	1921	
274	57		1906	Frankfort	IN	The Frankfort Heating Co.	1920	Hot water
275			1906	McKinley	MN	City of McKinley	1925	
276			1906	Mora	MN	Mora Electric Light, Heat & Power Co	1918	
						Eastern Minnesota Power Co. (1917)		
277			1906	Missoula	MT	Missoula Light & Water Co	1960	
278			1906	Harvard	NE	Harvard Electric Co.	1917	
279			1906	Spring Grove	PA	P. H. Glatfelter Co	1949	
280			1906	Clifton Forge	VA	Clifton Forge Public Service Co	1917	
281		23	1906	Milwaukee (2)	WI	Central Heating Company		Owned by WE Energies
						Wisconsin Electric Company		
282			1907	Uniontown	CT	Union Light & Power	1920	
283			1907	Canton	IL	Canton IL Canton Gas & Electric	1937	
						Central Illinois Public Service		
284			1907	Monmouth	IL	Monmouth Gas & Electric	1938	
						Illinois Iowa Power Company		
285			1907	Morton	IL	Morton Light, Heat, Power & Water Co	1915	
286			1907	Boston (3)	MA	Medical Area Total Energy Plant		Owned by Longwood Energy Partners
287		24	1907	Staples	MN	City of Staples	1925	
288			1907	Springfield	MO	Springfield Gas & Electric	1957	
						City of Springfield (1945)		
						Billings Mutual Heating Company		
289	58		1907	Billings	MT	Billings Utility Company (1914)	1939	Hot water
						Billings Gas Company (1938)		
						Western Electric Company		
290			1907	Jamestown	ND	Otter Tail Power (1924)	1975	
291		25	1907	Omaha	NE	Brandeis Investment Company		Owned by Clearway Thermal
						Northern Natural Gas (1968)		
						Energy Systems Company (1985)		
						NRG Thermal (2013)		
292			1907	Canton	OH	Canton Electric Company	1975	
293			1907	Dayton	OH	Dayton Citizens Electric Company	1997	
						Dayton Power & Light		
294		26	1907	Pittsburgh (1)	PA	Bellefield Boiler Plant		Bellefield Boiler Plant
295			1907	Waukesha	WI	Waukesha Gas & Electric	1963	
						Wisconsin Natural Gas		
296			1907	West Bend	WI	West Bend Heating & Lighting Co	1938	
297			1908	Britt	IA	Britt Light & Power Co.,	1953	
298			1908	Jordan	MN	Jordan Electric Light & Steam Heating Co	1950	
						Minnesota Utilities		
						Northern States Power (1945)		
299			1908	Marshall	MN	City of Marshall	1976	
300			1908	McCook	NE	McCook Electric Co.	1920	
301			1908	Sidney	NE	Sidney Electric Service Company	1950	
						City of Sidney		
						Western Public Service Co		
						Consumers Public Power		
						City of Sidney		
302			1908	Windber	PA	Windber Heating Co	1962	
303			1908	Sturgeon Bay	WI	City of Sturgeon Bay	1935	
304			1908	Evanston	WY	Evanston Electric Light Company	1922	
305	59		1909	Crawfordsville	IN	Crawfordsville Heating Company	1933	Hot water
306			1909	Evansville	IN	Evansville Public Service	1967	
						Southern Indiana Gas & Electric		
						Pike Campbell		
307			1909	Louisville	KY	Fetter Lighting & Heating Company	1955	
						Louisville Gas & Electric		
308		27	1909	Virginia	MN	Virginia Electric Power and Water Company		Residential service discontinued in 2020; Virginia Public Utilities
						City of Virginia (1913)		
309			1909	Dickinson	ND	Hughes & Deiters Electric Co	1952	
310			1909	Arlington	NE	Arlington Steam Heating Company	1925	
311			1909	Aurora	NE	Aurora Electric Company	1947	
						Consumers Public Power District		

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312			1909	Geneva	NE	Geneva Electric Company Continental Gas & Electric Co	1922	
313			1909	Osceola	NE	Osceola & Shelby Electric Light, Heat & Power	1920	
314			1909	Burlington	WI	Burlington Heating Company	1936	
315			1910	Streator	IL	Streator Heat and Power Co Public Service Company of Northern Illinois	1929	Exhaust steam installed by W. H. Schott
316			1910	Anderson (2)	IN	City of Anderson	1971	
317	60		1910	Logansport	IN	Logansport Heat & Power Co Logansport Utilities (1920)	1922	Hot water Exhaust steam
318			1910	Alexandria	MN	City of Alexandria	1979	
319			1910	Benson	MN	City of Benson	1977	
320			1910	Faribault	MN	Shaft-Pierce Shoe Company	1925	
321			1910	Glenwood	MN	Glenwood Electric Light, Heat & Power Northern States Power Company (1926)	1950	
322			1910	Litchfield	MN	City of Litchfield	1978	
323			1910	Mapleton	MN	Mapleton Electric Light Co	1920	
324			1910	Springfield	MN	City of Springfield	2001	
325			1910	Clay Center	NE	M. M. Johnson Electric Light Plant	1920	
326			1910	Sidney	NE	Sidney Electric Service Co City of Sidney	1950	
327			1910	Eugene	OR	Eugene Heating Company Eugene Water & Electric Board (1962)	2012	
328	61		1910	Portland (1)	OR	Portland Central Heating Company	1920	Hot water
329			1910	Vandergrift	PA	Vandergrift Land & Improvement Co. City of Bellville	1925	
330			1910	Bellville	TX	Intermountain Railway Light & Power	1920	
331			1910	Yakima	WA	Yakima Central Heating Co Pacific Power & Light	1969	
332			1910	Lake Mills	WI	City of Lake Mills	1950	
333			1911	Oakland	CA	Oakland, Gas, Light & Heat Company Pacific Gas & Electric (1919)	1980	
334			1911	Lamar	CO	Lamar Electric & Heating Co Intermountain Railway Light & Power	1922	Exhaust steam
335			1911	Sabetha	KS	City of Sabetha	1965	
336		28	1911	Hibbing	MN	City of Hibbing		Hibbing Public Utilities
337			1911	Keewatin	MN	City of Keewatin	1975	
338			1911	Maryville	MO	Maryville Electric Light and Power Iowa Power & Light (1943)	1952	
339			1911	Mexico	MO	Mexico Power Co Missouri Power & Lighting	1941	
340			1911	Tarkio	MO	Tarkio Electric & Water Intermountain Railway Light & Power (1917)	1925	Exhaust steam
341			1911	Laramie	WY	Laramie Electric Company Western Public Service Company	1940	
342			1912	Aledo	IL	Illinois Northern Utilities Co	1926	Exhaust steam
343			1912	Winthrop	MN	City of Winthrop	1965	Exhaust steam
344			1912	Excelsior Springs	MO	Excelsior Springs, Water, Gas & Electric Missouri Power & Lighting	1942	
345			1912	Langdon	ND	Langdon Electric Plant Otter Tail Power Company (1926)	1930	
346			1912	Hanover	PA	Central Heating Company	1968	
347			1913	Danbury	CT	Danbury & Bethel Gas & Electric Co	1918	
348		29	1913	Cambridge	MA	Boston Elevated Railway Company Cambridge Electric Company NStar Veolia (2005) Vicinity Energy (2019)		Owned by Vicinity Energy
349			1913	Eveleth	MN	Home Lighting & Heating Minnesota Utilities (1917) Minnesota Power & Light (1923)	1965	
350			1913	Wadena	MN	City of Wadena	1973	
351	E1		1913	Willmar	MN	City of Willmar	2020	Converted to hot water in 1982
352			1913	Forsythe	MT	Forsyth Light & Power Co. Mountain States Power Company	1939	
353			1913	Havre	MT	Montana Power Company	1919	
354			1913	Miles City	MT	City of Miles City Montana-Dakota Utilities Company	1961	
355			1913	Fremont	NE	City of Fremont	1975	
356			1913	Scottsbluff	NE	Scottsbluff Electric Power Company Intermountain Railway, Light & Power Consumers Public Power	1955	

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357			1913	Port Jefferson	NY	Port Jefferson Electric Light Co	1916	
358			1913	State College	PA	Poe Steam Company State Centre Electric Co (1913)	1918	
359			1913	Wayne	PA	Wayne Steam Heat Company	1949	
360			1914	Garrett	IN	City of Garrett	1954	
361			1914	Marlborough	MA	Marlborough Electric Co.	1930	
362			1914	Worcester	MA	Worcester Electric Light Co, Worcester Cold Storage & Warehouse Co.	1985	
363			1914	Battle Creek	MI	Consumers Power Company	1970	
364			1914	Saginaw	MI	Saginaw Steam Company Consumers Power Company	1970	
365			1914	Madison	MN	City of Madison	1978	
366			1914	Crawford	NE	Intermountain Railway Light & Power Co Western Public Service Co	1930	
367			1914	Redfield	SC	City of Redfield Northwestern Power Company	1970	
368			1914	Portland (2)	OR	Northwestern Electric Company Pacific Power & Light Co	1986	
369			1914	Casper	WY	Natrona Power Company Pacific Power & Light Company	1955	
370			1915	Steamboat Springs	CO	Steamboat Heating Company	1920	
371			1915	Columbia City	IN	City of Columbia	1956	
372			1915	Athol	MA	Athol Gas & Electric	1929	
373			1915	Canby	MN	Union Public Service Company	1932	
374			1915	Lapeer	MI	Peoples Light & Power Co Detroit Edison	1947	
375			1915	Worthington	MN	City of Worthington	1982	
376			1915	Chadron	NE	Intermountain Railway Light & Power Co Western Public Service Co.	1937	
377			1915	O'Neill	NE	McGinnis Creamery & Produce Co.	1925	
378			1915	Norwich	NY	Norwich Gas & Electric Co	1916	
379		30	1915	Pittsburgh (2)	PA	Allegheny County Steam Heating Company Pittsburgh Allegheny County Thermal (1983)		Pittsburgh Allegheny County Thermal
380			1915	Hartford	WI	City of Hartford	1925	
381			1915	Waterloo	WI	City of Waterloo	1992	
382			1916	Rock Rapids	IA	City of Rock Rapids	1966	
383			1916	Sibley	IA	City of Sibley	1984	
384			1916	South Bend	IN	St. Joseph Heating Company	1972	
385			1916	Buhl	MN	City of Buhl	1976	
386		31	1916	New Ulm	MN	New Ulm Heating Company City of New Ulm		City of New Ulm District Energy
387			1916	Redwood Falls	MN	Redwood Falls Light & Power City of Redwood Falls (1946)	1976	
388			1916	Sleepy Eye	MN	City of Sleepy Eye	2004	
389			1916	Enderlin	ND	Otter Tail Power Company	1924	
390			1916	LaMoure	ND	Dakota Utilities	1924	
391			1916	Mandan	ND	United Public Utilities Co.	1953	
392			1916	Oakes	ND	Otter Tail Power Company	1925	
393			1916	Devils Lake	ND	Devils Lake Steam Heat Authority	1986	
394			1916	Spokane	WA	Merchants Central Heating Company Washington Water Power (1919)	1986	Old plant now a restaurant.
395			1917	Spencer (2)	IA	Spencer Heating Company City of Spencer (1942)	1987	
396			1917	Ogallala	NE	City of Ogallala	1941	
397			1918	Goshen	IN	Municipal Heating Plant	1932	
398			1919	Windom	MN	City of Windom	1968	
399			1919	Valley City	ND	City of Valley City	1975	
400			1919	Klamath Falls (1)	OR	Klamath Heating Co Consumers Heating Co (1946)	1970	
401			1919	Hudson	WI	Willow River Power Company	1963	Exhaust steam
402			1920	Flagstaff	AZ	Flagstaff Electric Company	1966	Exhaust steam
403			1920	San Diego	CA	San Diego Gas & Electric	1993	
404			1920	Fairmont	MN	Fairmont Public Heating Company City of Fairmont (1939)	2007	
405			1920	Luverne	MN	City of Luverne	1972	
406			1920	Arcade	NY	Village of Arcade	1979	
407			1921	Miller	SD	City of Miller	1950	
408			1921	Watertown	SD	Watertown Central Heating Co City of Watertown (1934)	1991	
409			1922	Batavia	IL	City of Batavia	1930	

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410			1924	Wellsville	NY	Village of Wellsville	1961	
411			1925	Mariemont	OH	The Mariemont Company	1954	
412			1926	Blue Earth	MN	City of Blue Earth	2005	
413			1926	Austin	MN	Austin Heating Company City of Austin	1985	
414	32	1927	Minneapolis	MN	Baker Properties			Owned by Clearway Thermal
					IDS Properties (1969)			
					The Energy Center (1972) IDS & Minnegasco			
					NRG Thermal (1993)			
415	33	1927	Akron	OH	Akron Steam Heating Company; Ohio Edison (1930); City of Akron (1979)		Operated by Akron Energy Systems	
416		1927	Kalamazoo	MI	Consumers Power Company	1972		
417	34	1927	Rochester (1)	MN	Franklin Heating Station			
418		1927	Bala Cynwyd	PA	Bala Steam Heat Company Wynnefield Steam Heat Company (1941)	1948		
419		1927	Drexel Park	PA	Aronimink Park Heating Co	1948		
420		1927	Springfield Township	PA	Springfield Steam Company	1936		
421		1927	Wynnefield	PA	Wynnefield Steam Heat Company	1948		
422		1928	Rochester (2)	MN	City of Rochester	1986		
423		1928	Yeadon	PA	Longacre Park Heating Company	1972		
424		1929	Hamilton	MT	Valley Mercantile Corporation	1934		
425		1929	Lower Merion Township	PA	Lewis Jones Inc		1972	
					Pennsylvania Utilities Investment Corp (1954)			
					General Waterworks Corp (1966)			
426		1930	Huron	SD	Central Heating Company	1965		
427		1932	Springfield (2)	MA	Springfield Gas Light Company	1963		
428	E9	35	Duluth (2)	MN	Duluth Steam Corporation			Being converted to hot water; oiperated by Duluth Energy Systems
					Duluth Steam Cooperative (1978)			
429	36	1932	Cleveland (2)	OH	Medical Center Company		Medical Center Company	
430		1933	Taunton	MA	City of Taunton	1970		
431		1935	Mountain Iron	MN	City of Mountain Iron	1980		
432		1936	New Prague	MN	City of New Prague	1979		
433		1937	Holyoke	MA	City of Holyoke	2010		
434		1937	Escanaba	MI	City of Escanaba	1966		
435		1937	Bluffton	OH	Village of Bluffton	1945		
436		1938	Concord	NH	Concord Steam Corporation	2017		
437		1939	Jackson	MN	City of Jackson	1975		
438		1939	Grand Island	NE	City of Grand Island	1980		
438	E3	1943	Piqua (2)	OH	City of Piqua	2006	Converted to hot water in 1983	
440		1945	Livingston	MT	Miles Land and Investment Company	1960		
441	37	1945	Manitowoc	WI	City of Manitowoc		Manitowoc Public Utilities	
442		1946	Olympia	WA	Olympia Steam Heating Company	1963		
443		1948	Jamestown (2)	NY	City of Jamestown	1969		
444		1949	Kalispell	MT	Central Heating Company	1959		
445		1950	Rice Lake	WI	Rice Lake Steam Corporation	1989		
446		1951	Chicago	IL	Medical Center Steam Company	1981	Transferred to UI Medical Center	
447	38	1962	Hartford (2)	CT	Hartford Steam Company		Hartford Steam Company	
448		1964	Nassau Bay	TX	Houston Natural Gas Thermal Systems (1978)	1990		
449	39	1965	Washington (Watergate)	DC	Washington Gas Light Vicinity Energy (2020)		Owned by Vicinity Energy	
450	H3	40	Los Angeles Century City	CA	Century City Bunker Hill energy plants			Enwave
					Central Plants, Inc			
					Sampra Energy			
					Trigen (2006)			
					Veolia			
Enwave (2017)								
451	H4	41	Los Angeles Bunker Hill	CA	Central Plants, Inc.; Sempra Energy; Trigen (2000); Veolia; Enwave (2017)		Enwave	
452		42	Pittsburgh (3)	PA	Equitable Gas - Energy Company			Owned by Clearway Thermal
					Thermal Ventures (1993)			
					NRG Pittsburgh (1999)			
					Clearway Thermal (2019)			
453	43	1967	Gates	NY	Eastman Kodak Company ; Rochester Technology Park Utility Company		Rochester Technology Park	
454	44	1968	Tucson	AZ	City of Tucson		Owned (mostly) by City of Tucson; operated by Clearway Thermal	
455	45	1969	Houston (1)	TX	Houston Natural Gas			Thermal Energy Corporation
					Thermal Energy Corporation (1978)			

Chronological List of Commercial District Heating Companies in the United States, 1877-2020

No.	HW	Op No.	Year	City	State	Owner	Shut Down	Notes
456		46	1970	Oklahoma City	OK	Thermal Systems, Inc. (Oklahoma Natural Gas)		Owned by Vicinity Energy
						Trigen (1989)		
						Veolia (2015)		
457		47	1970	Tulsa	OK	Thermal Systems, Inc. (Oklahoma Natural Gas)		Owned by Vicinity Energy
						Trigen (1989)		
						Veolia (2015)		
458		48	1972	Hempstead	NY	Nassau County; Trigen (1989); Nassau Energy Corporation		
459		49	1974	Nashville	TN	Nashville Thermal Transfer		Metro Nashville District Energy System
						City of Nashville (2003)		
460	G2	50	1981	Philip	SD	Philip Geothermal Corporaiton		Geothermal hot water
461	G3	51	1982	Susanville	CA	City of Susanville		Geothermal hot water
462	G4	52	1982	Pagosa Springs	CO	City of Pagosa Springs		Geothermal hot water; City geothermal division
463	G5	53	1982	Elko	NV	Elko Heat Company		Geothermal hot water
464	G6	54	1983	Boise (2)	ID	City of Boise Geothermal		City of Boise Geothermal
465			1983	Aitkin	MN	Aitkin Iron Works ASHCON	2010	
466	G7	55	1983	Saint Paul (2)	MN	Energy Park Utility Company		Saint Paul Energy Park
467	H4	56	1983	Trenton	NJ	Cogeneration Development Corporation		Owned by Vicinity Energy
						Trigen		
468	G8	57	1984	San Bernadino	CA	City of San Bernadino		Geothermal hot water
								Geothermal System
469	E4	58	1984	Jamestown (2)	NY	City of Jamestown		Jamestown Board of Public Utilities
470	E5		1986	Provo	UT	City of Provo	1990	
471		59	1987	Rochester (3)	MN	Olmsted County District Energy System		Olmsted County Waste to Energy Facility
472	E6	60	1987	Buffalo (2)	NY	City of Buffalo		
473	E7	61	1988	Hartford (3)	CT	State of Connecticut		Capitol Area System District Heating and Cooling
474		62	1989	Lincoln (2)	NE	District Energy Corporation		District Energy Corporation
475	G9	63	1991	Klamath Falls (2)	OR	City of Klamath Falls		Geothermal hot water; City of Klamath Falls Geothermal
476		64	1996	Atlantic City (2)	NJ	Atlantic Thermal Systems		Midtown Thermal Control Center
						Pepco (2002)		
						ACM Energy Partners, LLC (2016)		
477		65	1999	Houston (2)	TX	Union Station District Energy Plant		Enwave
						Northwind		
						Enwave		
478	G10	66	2013	West Union	IA	City of West Union		Geothermal hot water (heat pumps in each building)
479		67	2014	New Orleans	LA	New Orleans District Energy		Enwave
480	E8	68	2014	Montpelier	VT	City of Montpelier State of Vermont		Hot water; Montpelier District Heat

Currently Operating Commercial District Heating Companies in the United States, 2021

Op No.	Year	City	State	Owner	Notes
1	1879	Saint Paul (1)	MN	District Energy St. Paul	Converted to hot water in 1983; District Energy St. Paul
2	1880	Denver	CO	Public Service Company of Colorado	Oldest commercial district heating company in North America; Oldest commercial steam heating company in the world.
3	1882	New York City (1)	NY	Con Ed	Largest district heating system in North America; Con Edison
4	1885	San Francisco	CA	Clearway Thermal	Now owned by Clearway Thermal
5	1886	Harrisburg	PA	Clearway Thermal	Now owned by Clearway Thermal
6	1889	Indianapolis	IN	Citizens Energy	Yaryan hot water system installed in 1902; converted to steam in 1929; Citizens Energy
7	1889	Kansas City	MO	Vicinity Energy	Now owned by Vicinity Energy
8	1889	Philadelphia	PA	Vicinity Energy	Now owned by Vicinity Energy
9	1890	Seattle	WA	Enwave	Owned by Enwave
10	1961	Greece	NY	RED-Rochester LLC	Eastman Business Park
11	1892	Cedar Rapids	IA	Alliant Energy	Provides high pressure steam to two customers; Alliant Energy
12	1892	Boise (1)	ID	Boise Warm Springs Water District	Geothermal Hot Water; Boise Warm Springs Water District
13	1894	Rochester	NY	Rochester District Heating Cooperative	Rochester District Heating Cooperative
14	1895	Boston (2)	MA	Vicinity Energy	Now owned by Vicinity Energy
15	1897	Grand Rapids	MI	Vicinity Energy	Now owned by Vicinity Energy
16	1900	Cleveland (1)	OH	Corix Cleveland Thermal	Owned by Corix Cleveland Thermal
17	1900	Youngstown	OH	SOBE Thermal Energy Systems, LLC.	SOBE Thermal Energy Systems, LLC.
18	1901	Lansing	MI	Lansing Board of Water and Light	Lansing Board of Water and Light
19	1903	Baltimore	MD	Vicinity Energy	Now owned by Vicinity Energy
20	1903	Detroit (2)	MI	Detroit Thermal LLC	Detroit Thermal, LLC
21	1904	St. Louis	MO	Ashley Energy	Distribution system owned by city of St. Louis; Plant owned by Ashley Energy
22	1905	Fairbanks	AK	Aurora Energy	Owned by Aurora Energy
23	1906	Milwaukee (2)	WI	WE Energies	Owned by WE Energies
24	1907	Boston (3)	MA	Medical Area Total Energy Plant	Owned by Longwood Energy Partners
25	1907	Omaha	NE	Clearway Thermal	Owned by Clearway Thermal
26	1907	Pittsburgh (1)	PA	Bellefield Boiler Plant	Bellefield Boiler Plant
27	1909	Virginia	MN	City of Virginia (1913)	Residential service discontinued in 2020; Virginia Public Utilities
28	1911	Hibbing	MN	City of Hibbing	Hibbing Public Utilities
29	1913	Cambridge	MA	Vicinity Energy	Owned by Vicinity Energy
30	1915	Pittsburgh (2)	PA	Pittsburgh Allegheny County Thermal	Pittsburgh Allegheny County Thermal
31	1916	New Ulm	MN	City of New Ulm	City of New Ulm District Energy
32	1927	Minneapolis	MN	Clearway Thermal	Owned by Clearway Thermal
33	1927	Akron	OH	City of Akron	Operated by Akron Energy Systems
34	1927	Rochester (1)	MN	Franklin Heating Station	
35	1932	Duluth (2)	MN	City of Duluth	Being converted to hot water; operated by Duluth Energy Systems
36	1932	Cleveland (2)	OH	Medical Center Company	Medical Center Company
37	1945	Manitowoc	WI	City of Manitowoc	Manitowoc Public Utilities
38	1962	Hartford (2)	CT	Hartford Steam Company	Hartford Steam Company
39	1965	Washington (Watergate)	DC	Vicinity Energy	Owned by Vicinity Energy
40	1966	Los Angeles Century City	CA	Enwave	Enwave
41	1966	Los Angeles Bunker Hill	CA	Enwave	Enwave
42	1964	Pittsburgh (3)	PA	Clearway Thermal	Owned by Clearway Thermal
43	1967	Gates	NY	Rochester Technology Park	Rochester Technology Park
44	1968	Tucson	AZ	City of Tucson	Owned (mostly) by City of Tucson; operated by Clearway Thermal
45	1969	Houston (1)	TX	Thermal Energy Corporation	Thermal Energy Corporation
46	1970	Oklahoma City	OK	Vicinity Energy	Owned by Vicinity Energy
47	1970	Tulsa	OK	Vicinity Energy	Owned by Vicinity Energy
48	1972	Hempstead	NY	Nassau Energy Corporation	
49	1974	Nashville	TN	City of Nashville	Metro Nashville District Energy System
50	1981	Philip	SD	Philip Geothermal Corporaiton	Geothermal hot water

Currently Operating Commercial District Heating Companies in the United States, 2021

Op No.	Year	City	State	Owner	Notes
51	1982	Susanville	CA	City of Susanville	Geothermal hot water
52	1982	Pagosa Springs	CO	City of Pagosa Springs	Geothermal hot water; City geothermal division
53	1982	Elko	NV	Elko Heat Company	Geothermal hot water
54	1983	Boise (2)	ID	City of Boise Geothermal	City of Boise Geothermal
55	1983	Saint Paul (2)	MN	Energy Park Utility Company	Saint Paul Energy Park
56	1983	Trenton	NJ	Vicinity Energy	Owned by Vicinity Energy
57	1984	San Bernadino	CA	City of San Bernadino	Geothermal hot water
58	1984	Jamestown (2)	NY	City of Jamestown	Jamestown Board of Public Utilities
59	1987	Rochester (3)	MN	Olmsted County District Energy System	Olmsted County Waste to Energy Facility
60	1987	Buffalo (2)	NY	City of Buffalo	
61	1988	Hartford (3)	CT	State of Connecticut	Capitol Area System District Heating and Cooling
62	1989	Lincoln (2)	NE	District Energy Corporation	District Energy Corporation
63	1991	Klamath Falls (2)	OR	City of Klamath Falls	Geothermal hot water; City of Klamath Falls Geothermal
64	1996	Atlantic City (2)	NJ	Midtown Thermal Control Center	Midtown Thermal Control Center
65	1999	Houston (2)	TX	Union Station District Energy Plant	Enwave
66	2013	West Union	IA	City of West Union	Geothermal hot water (heat pumps in each building)
67	2014	New Orleans	LA	New Orleans District Energy	Enwave
68	2014	Montpelier	VT	City of Montpelier State of Vermont	Hot water; Montpelier District Heat

Ownership of Multiple District Heating Systems

The first district heating companies were owned by local investors who anticipated benefits for their communities and themselves. This also held true for the earliest electric companies, but starting around 1890 electric utilities began to take advantage of improved generation and transmission technologies by absorbing small local companies into larger networks that morphed into large holding companies. Increasing demands for power led utilities to keep smaller plants in operation even as larger, lower-cost plants came online, but over time smaller steam-generation units were moved into reserve duty and eventually retired. This also ended the life of many small district heating systems that relied on low-cost exhaust steam. Although customers in some communities made attempts to take over and operate the systems on a cooperative basis, these could not operate on a paying basis.

This process played out over several decades, and many larger utilities ended up owning multiple district heating systems. In 1916, for instance, Hodenpyl, Hardy & Co., organized quarterly meetings of the steam superintendents of its companies in Michigan, Indiana, Illinois and Ohio. Eight companies were represented at the first meeting in Peoria in September of that year. Others owning multiple systems included:

- The Illinois Power & Light Corporation owned 14 systems in Bloomington, Champaign, Clinton, Danville, Decatur, Galesburg, Hillsboro, LaSalle, Monmouth, Monticello, Morrisonville, Morton, Mt. Vernon, and Urbana.
- Central Illinois Public Service Company owned systems in Canton, Carrolton, Charleston, Hoopestown, Jerseyville, Mattoon, Pana, Paris, Paxton, Quincy, Taylorville, Tuscola, and Virden.
- Iowa Electric Light & Power Company owned systems in Cedar Rapids, Boone, Perry, Marion, Manchester, Iowa Falls, Eldora, Spirit Lake, Marshalltown, and Vinton.

The Overbrook Steam Heat Company was formed in 1893 by Lewis Jones to heat residences in that planned community in Philadelphia. He died in 1917 and his son, Lewis Jones, Jr., formed Lewis Jones, Inc. the following year to own the system. He formed a second system in 1929 to provide heating in Overbrook Hills, Green Hill Farms and Penn Wynne in Lower Merion Township, Montgomery County. Jones died in 1945 and his estate set up the Lewis Jones Management Company to oversee the systems. In 1952 this company bought the system in Wilkes-Barre from the Scranton-Spring Brook Water Company, which had acquired it from Pennsylvania Power and Light the previous year. The Lewis Jones Management Company was sold in 1955 to the Pennsylvania Utilities Investment Corporation, and that company bought the Scranton steam system from Pennsylvania Power and Light in 1956. The systems were bought by General Waterworks Corporation in 1966, which bought the Longacre Park Heating Company in the Borough of Yeadon, Delaware County shortly thereafter. General Waterworks petitioned the Pennsylvania Public Utilities Commission to abandon the five systems in February 1972, but withdrew the request a month later and they had decided to sell the systems to Arthur G. Crimmins and two other individuals who formed International Service Industries. According to a January 10, 1973 article in the *Wall Street Journal*, Crimmins and his colleagues took over the systems in March and began paying themselves salaries of \$50,000 while renting expensive automobiles using the steam company's earnings. In June, the remnants of Hurricane Agnes caused extensive damage to the Wilkes-Barre system, requiring it to be rebuilt at substantial cost. Unsurprisingly, International Service Industries declared bankruptcy in November. The three suburban systems ceased operating, while the Scranton system was acquired by the Community Central Energy Corporation and operated until 2006. A steam heat authority was formed to take over the Wilkes-Barre system, which managed to survive until 1990 despite having installed the first fluidized bed boiler used in a district heating system.

Ohio Edison owned systems in Akron, Springfield and Youngstown that it had decided to sell or close down in 1980. Springfield was shut down, the City of Akron bought the system in that city, and Carl E. Avers, Jr. formed Youngstown Thermal Corporation to acquire that system for about \$1 million as a subsidiary of Synergy Systems Management Corporation of Coral Gables, Florida. Avers was able to buy the steam system in St. Louis in December, 1984 for \$3 million and the system in Baltimore the following March for \$10 million with Catalyst Energy Development Corporation as a financial partner. This steam then acquired the Boston steam system on February 6, 1986 for \$32.5 million and the Philadelphia system on January 30, 1986 for \$30 million. The steam system in Cleveland was also acquired in December, 1987. The following July Thomas B. Pickens 3d (son of T. Boone Pickens) bought control of Catalyst Energy for \$202.5 million and Catalyst Energy became United Thermal Corporation. The system in Cleveland was sold shortly thereafter to Mid-America Energy Resources, a subsidiary of Indianapolis Power and Light (IPALCO).

Avers left United Thermal around this time but retained the Youngstown system. He founded Thermal Ventures (TVI) in 1989 and secured contracts to operate steam systems in Pittsburgh and San Francisco. TVI bought these two systems in 1993 for \$16.4 million and sold 50% of these companies to NRG Energy in 1995. TVI also leased the steam system in Akron that year. TVI sold the remaining 50% to NRG Energy in 1999, while keeping Youngstown and the lease in Akron. The system in Detroit was acquired in 2002.

In addition to the two systems bought from TVI, NRG Energy bought the Minneapolis system in 1993, Harrisburg in 2000 and Omaha in 2013, and was itself acquired in 2018 by Clearway Energy.

Thomas R. Casten was named director of corporate strategy for Cummins Engine Company in 1974 and head of Cummins Cogeneration Company in 1977. After selling only six systems in a very tough market, Casten and his partners bought Cummins Cogeneration in 1980 and renamed it Cogeneration Development Corporation, which would act as a developer of district energy systems. They built a system in Trenton, New Jersey and also proposed other systems in cities such as Rochester. Cogeneration Development teamed with ELYO, the energy arm of French water company Société Lyonnaise des Eaux, to create Trigen Energy in 1986. Trigen bought systems in Hempstead, New York, Tulsa and Oklahoma City in 1989 and in 1993 acquired United Thermal Corporation for \$65 million. Trigen bought the Kansas City steam system in 1990 and two systems in Los Angeles in 2006.

Veolia Energy entered the U.S. market by buying the steam system in Cambridge in 2005 and bought Trigen in 2007 and the steam system in Grand Rapids in 2008. Trigen was renamed Veolia Energy in 2011. Veolia was bought by Vicinity Energy in December 2019.

State Distribution of District Heating Systems

The table below shows the number of systems built in each state from 1877 to 2020 and the number currently operating.

State	Built	Oper
Illinois	54	0
Minnesota	50	9
Pennsylvania	50	5
Iowa	46	2
Indiana	32	1
New York	29	4
Ohio	27	7
Nebraska	20	2
Wisconsin	19	2
Massachusetts	16	3
Michigan	14	3
North Dakota	14	0
Montana	11	0
Missouri	10	2
Connecticut	9	2
California	7	5
Colorado	7	2
Kansas	6	0
South Dakota	6	1
Oregon	6	1
Texas	6	2
Washington	5	1

State	Built	Oper
Wyoming	4	0
New Jersey	3	2
Arizona	2	1
District of Columbia	2	1
Idaho	2	2
Kentucky	2	0
Maryland	2	1
Maine	2	0
New Hampshire	2	0
Oklahoma	2	2
Utah	2	0
Alaska	1	1
Alabama	1	0
Arkansas	1	0
Georgia	1	0
Louisiana	1	1
Nevada	1	1
Rhode Island	1	0
South Carolina	1	0
Tennessee	1	1
Virginia	1	0
Vermont	1	1

The tables on the following pages show the chronology of district heating system installations in each state, followed by an alphabetical list of communities in each state with district heating systems.

Chronological List of Commercial District Heating Companies by State

No.	Year	City	State	Owner	Shut Down	Notes
1	1905	Fairbanks	AK	Northern Commercial Company		Owned by Aurora Energy
1	1903	Birmingham	AL	Birmingham Railway, Light and Power Company	2013	Exhaust steam
1	1904	Little Rock	AR	Little Rock AR Little Rock Heating Company	1952	Schott hot water, converted to steam in 1914
1	1920	Flagstaff	AZ	Flagstaff Electric Company	1966	Exhaust steam
2	1968	Tucson	AZ	City of Tucson		Owned (mostly) by City of Tucson
1	1885	San Francisco	CA	United Light & Power Co. of San Francisco		Now owned by Clearway Thermal
2	1911	Oakland	CA	Oakland, Gas, Light & Heat Company	1980	
3	1920	San Diego	CA	San Diego Gas & Electric	1993	
4	1966	Los Angeles Century City	CA	Central Plants, Inc.		Enwave
5	1966	Los Angeles Bunker Hill	CA	Central Plants, Inc.		Enwave
6	1982	Susanville	CA	State of Connecticut		Capitol Area System District Heating and Cooling
7	1984	San Bernadino	CA	City of San Bernadino		Geothermal hot water
1	1880	Denver	CO	Denver City Steam Heating Company		Oldest commercial district heating company in North America;
2	1900	Colorado Springs	CO	Colorado Springs Electric Company	1920	Exhaust Steam
3	1901	Idaho Springs	CO	Seaton Mountain Electric Light, Heat and Power Co.	1919	Exhaust steam
4	1905	Walsenburg	CO	Walsenburg Light, Power & Ice Co	1913	
5	1911	Lamar	CO	Lamar Electric & Heating Co	1922	Exhaust steam
6	1915	Steamboat Springs	CO	Steamboat Heating Company	1920	
7	1982	Pagosa Springs	CO	City of Pagosa Springs		Geothermal hot water
1	1880	New Haven	CT	New Haven Heat Supply Company	1908	
2	1880	Hartford (1)	CT	Hartford Steam Company	1892	
3	1900	Waterbury	CT	Connecticut Light & Power	1926	
4	1902	Bristol	CT	Bristol CT Bristol & Plainville Tramway Co	1947	
5	1905	South Norwalk	CT	City of South Norwalk	1911	
6	1907	Uniontown	CT	Union Light & Power	1920	
7	1913	Danbury	CT	Danbury & Bethel Gas & Electric Co	1918	
8	1962	Hartford (2)	CT	Hartford Steam Company		Hartford Steam Company
9	1988	Hartford (3)	CT	State of Connecticut		Capitol Area System District Heating and Cooling
1	1886	Washington	DC	Washington Heat & Power Co.	1889	Prall high-temperature hot water system
2	1965	Washington (Watergate)	DC	Washington Gas Light		Owned by Vicinity Energy
1	1900	Atlanta	GA	Atlanta Steam Company	1988	
1	1879	Dubuque	IA	Dubuque Steam Supply Company	1892	
2	1880	Burlington	IA	Burlington Steam Supply Company	1920	
3	1881	Davenport	IA	Davenport Steam Heating Company	1942	
4	1889	Ackley	IA	Ackley Electric Light & Heating Co	1933	Homemade exhaust steam
5	1889	Ottumwa	IA	Ottumwa Electric and Steam Company	1956	Exhaust steam
6	1891	Des Moines	IA	Des Moines Steam Heating Co.	1905	
7	1891	Sioux City	IA	Boston Investment Company	1980	
8	1892	Carroll	IA	Carroll Electric Light & Power Co.	1973	Exhaust steam initially, replaced by hot water in 1900
9	1892	Cedar Rapids	IA	Cedar Rapids Electric Light and Power Co.		Provides high pressure steam to two customers.
10	1892	Grinnell	IA	Grinnell Electric Light Co	1960	Exhaust steam
11	1892	Malvern	IA	Malvern Light & Power	1925	
12	1892	Marion	IA	Addison L. Daniels Gas & Electric Works	1940	Exhaust steam
13	1895	Eagle Grove	IA	Eagle Grove Electric	1980	Plant sold to Ag Processing, Inc.to produce steam and electricity for their food processing facility.
14	1895	Spencer (1)	IA	Spencer Electric Light & Power Co	1901	Homemade exhaust steam
15	1895	Webster City	IA	City of Webster	1970	Exhaust steam
16	1896	Eldora	IA	Eldora Electric Company	1917	
17	1897	Davenport	IA	Davenport Gas & Electric Co	1943	
18	1897	Muscatine	IA	Muscatine Electric Railway Co.	1902	
19	1898	Grundy Center	IA	Grundy Center Electric Light Co	1973	
20	1898	Missouri Valley	IA	Missouri Valley Electric Company	1962	Yaryan hot water; converted to steam around 1929
21	1898	Parkersburg	IA	Parkersburg Electric Light, Heat & Power Co	1914	Exhaust steam
22	1899	Boone	IA	Boone Heating Company	1962	Yaryan hot water system
23	1899	Ida Grove	IA	Ida Grove Electric Company	1966	Yaryan hot water system
24	1899	Iowa Falls	IA	Iowa Falls Electric Light & Power Co.	1963	Yaryan hot water system
25	1899	Mason City	IA	Brice Gas and Electric Company	1970	Yaryan hot water system
26	1899	Perry	IA	Iowa Electric Light & Power	1981	Yaryan hot water system
27	1899	Red Oak	IA	Red Oak Electric Light Company	1954	Evans-Almirall hot water system
28	1900	Cresco	IA	Cresco Light, Heat & Power	1912	Hot water
29	1901	Buxton	IA	Consolidation Coal Company	1925	
30	1901	Centerville	IA	Citizens Electric Light and Gas Co	1961	
31	1901	New Hampton	IA	Electric Light Company	1963	

Chronological List of Commercial District Heating Companies by State

No.	Year	City	State	Owner	Shut Down	Notes
32	1901	Spirit Lake	IA	B. F. Stevens	1980	
33	1903	Clarinda	IA	Lee Electric Light Co	1964	
34	1903	Vinton	IA	Iowa Electric Light & Power	1962	Exhaust steam
35	1903	Decatur	IA	Decatur Steam Heating Co.	1957	
36	1904	Vinton	IA	Vinton Pearl Button Manufacturing Co.	1961	
37	1906	Guthrie Center	IA	Guthrie Center Electric Light Co.	1917	
38	1906	Manchester	IA	Manchester Heat, Light & Power Co	1930	
39	1906	Story City	IA	City of Story City	1930	
40	1906	Stuart	IA	City of Stuart	1930	
41	1906	Traer	IA	Traer Electric Company	1974	
42	1908	Britt	IA	Britt Light & Power Co.,	1953	
43	1916	Rock Rapids	IA	City of Rock Rapids	1966	
44	1916	Sibley	IA	City of Sibley	1984	
45	1917	Spencer (2)	IA	Spencer Heating Company	1987	
46	2013	West Union	IA	City of West Union		Geothermal hot water (heat pumps in each building)
1	1892	Boise (1)	ID	Artesian Hot and Cold Water Company		Geothermal Hot Water
2	1983	Boise (2)	ID	City of Boise Geothermal		City of Boise Geothermal
1	1879	Belleville	IL	Belleville Steam Supply Company	1889	Owned by Jacob Brosius
2	1890	Springfield	IL	Springfield Electric Light and Power	1968	Exhaust steam
3	1893	Aurora	IL	Aurora Street Railway Company	1964	Exhaust steam
4	1893	Sycamore	IL	DeKalb-Sycamore Electric Co	1941	
5	1893	Winona	IL	Warsaw General Electric Co,	1923	
6	1895	Danville	IL	Danville Electric Light and Power Co	1960	
7	1897	Taylorville	IL	Steam Heating Plant of Taylorville	1978	ADSCO exhaust steam
8	1898	Chicago	IL	Illinois Maintenance Company	1979	
9	1898	Mattoon	IL	Mattoon Heat, Light and Power Company	1935	Yaryan hot water system
10	1899	Alton	IL	Alton Gas & Electric Company	1918	Yaryan hot water system
11	1899	Hillsboro	IL	Hillsboro Electric Co	1924	
12	1899	Jerseyville	IL	Jerseyville Light, Heat & Power Co	1916	Yaryan hot water; converted to steam around 1912
13	1899	La Salle	IL	Marquette Heat & Light Co	1920	
14	1899	Pekin	IL	Pekin Electric Co.	1934	
15	1899	Watseka	IL	Watsseka Electric Company	1917	
16	1899	Waukegan	IL	Waukegan Electric Co.	1924	Hot water
17	1899	Terre Haute	IL	Terre Haute Traction & Light Company	1947	Hot water discontinued 1947
18	1900	Bloomington	IL	A. E. Demange	1971	Hot water discontinued in 1923
19	1900	Champaign	IL	Urbana & Champaign Railway, Gas & Electric	1959	
20	1900	Charleston	IL	Charleston Light, Heat & Power Co.	1921	
21	1900	Evanston	IL	Evanston Yaryan Co.	1949	Yaryan hot water system
22	1900	Paris	IL	Paris Gas Light & Coke Co.	1929	Yaryan hot water
23	1900	Paxton	IL	Paxton Electric Company	1927	Hot water initially, converted to steam after 1912.
24	1900	Peoria	IL	Peoria Gas & Electric Co.	1971	
25	1900	Urbana	IL	Urbana Light, Heat & Power	1957	
26	1901	Bowling Green	IL	Bowling Green Electric Light & Power Co	1916	Hot water
27	1901	Oak Park	IL	Oak Park Light, Heat & Power Co.	1958	
28	1901	Quincy	IL	Quincy Steam Heating Co	1951	
29	1901	Pontiac	IL	Pontiac Electric Light and Power Co	1931	ADSCO exhaust steam
30	1902	Belvidere	IL	Belvidere Gas & Electric	1940	Initially Yaryan hot water, some customers converted to steam in 1920 when hot water was discontinued.
31	1902	Clinton	IL	Clinton Gas Company	1947	ADSCO exhaust steam
32	1902	Rockford	IL	Central Heat & Power	1973	
33	1902	Tuscola	IL	Tuscola Water & Light	1923	
34	1903	Galesburg	IL	Galesburg Railway & Light Co	1957	
35	1903	Lincoln	IL	Lincoln Street Car & Heating Co	1916	
36	1903	Mt. Vernon	IL	Citizens Gas, Electric & Heating	1921	Schott hot water system
37	1903	Rensselaer	IL	City of Rensselaer	1940	
38	1903	White Hall	IL	White Hall Sewer Pipe & Stoneware Co	1922	
39	1904	Carrollton	IL	Carrollton Light, Heat and Power Co	1921	
40	1904	DeKalb	IL	DeKalb Electric Co	1957	
41	1904	Kewanee	IL	Kewanee Light & Power Co	1937	
42	1904	Pana	IL	Pana Gas, Light, Fuel and Heating Co	1946	
43	1905	Morrisonville	IL	Morrisonville Electric Co	1925	
44	1905	Mowequa	IL	Mowequa Electric Company	1916	
45	1906	Hoopeston	IL	Hoopeston Gas & Electric	1913	
46	1906	Mt. Carmel	IL	New Electric Company	1920	Hot water
47	1906	Virden	IL	Virden Electric Light Co	1921	
48	1907	Canton	IL	Canton Gas & Electric	1937	
49	1907	Monmouth	IL	Monmouth Gas & Electric	1938	

Chronological List of Commercial District Heating Companies by State

No.	Year	City	State	Owner	Shut Down	Notes
50	1907	Morton	IL	Morton Light, Heat, Power & Water Co	1915	
51	1910	Streator	IL	Streator Heat and Power Co	1929	Exhaust steam installed by W. H. Schott
52	1912	Aledo	IL	Illinois Northern Utilities Co	1926	Exhaust steam
53	1922	Batavia	IL	City of Batavia	1930	
54	1951	Chicago	IL	Medical Center Steam Company	1981	Transferred to UI Medical Center
1	1889	Indianapolis	IN	Marmon-Perry Light Company		Yaryan hot water system installed in 1902; converted to steam in 1929.
2	1897	La Porte	IN	La Porte Electric Company	1952	Yaryan hot water system
3	1901	Urbana	IN	Urbana Light, Heat & Power Co.	1957	
4	1901	Bedford	IN	Bedford Light, Heat & Power Co.	1921	Hot water
5	1901	Bloomington	IN	Central Indiana Lighting Co.	1920	Hot water
6	1901	Boonville	IN	Boonville Electric Light & Power Co.	1941	Hot water
7	1901	Marion	IN	Marion Lighting & Heating Co.	1957	Hot water
8	1901	Muncie	IN	Muncie Electric Light Co.	1966	Exhaust steam
9	1901	Noblesville	IN	Noblesville, Heat, Light & Power Co.	1939	Hot water
10	1901	Princeton	IN	Princeton Light & Power	1924	Yaryan hot water
11	1901	Rochester	IN	Rochester Light, Heat & Power Co.	1942	Exhaust steam
12	1901	Sullivan	IN	Sullivan Heat, Light & Power Co	1908	Hot water
13	1902	Brazil	IN	A. Dinkle Florist	1907	
14	1902	Connersville	IN	Light Heat & Power Co.	1920	Hot water
15	1902	Elwood	IN	Elwood Electric Light Co.	1935	Hot water
16	1902	Fowler	IN	Fowler Utilities Co.	1920	Hot water
17	1902	Lafayette	IN	Merchants Heating and Lighting Company	1947	Schott hot water system
18	1902	New Castle	IN	New Castle Light, Heat & Power Co.	1926	Hot water
19	1902	Peru	IN	Peru Heating Co.	1934	Hot water
20	1903	Anderson (1)	IN	Home Heating Company	1925	
21	1904	Mooreville	IN	Public Service Co.	1921	Exhaust steam
22	1905	Huntington	IN	The Huntington Light & Fuel Co.	1939	Exhaust steam
23	1905	Thorntown	IN	Town of Thorntown	1927	
24	1906	Frankfort	IN	The Frankfort Heating Co.	1920	Hot water
25	1909	Crawfordsville	IN	Crawfordsville Heating Company	1933	Hot water
26	1909	Evansville	IN	Evansville Public Service	1967	
27	1910	Anderson (2)	IN	City of Anderson	1971	
28	1910	Logansport	IN	Logansport Heat & Power Co	1922	Hot water
29	1914	Garrett	IN	City of Garrett	1954	
30	1915	Columbia City	IN	City of Columbia	1956	
31	1916	South Bend	IN	St. Joseph Heating Company	1972	
32	1918	Goshen	IN	Municipal Heating Plant	1932	
1	1886	Topeka (1)	KS	Topeka Steam Heating Company	1889	
2	1897	Topeka (2)	KS	Edison Electric Illuminating Company	1984	Exhaust steam
3	1898	Fort Scott	KS	Fort Scott Steam Heating Co	1952	ADSCO exhaust steam
4	1902	Salina	KS	Kansas Ice & Storage Co.	1930	
5	1904	Pittsburg	KS	Pittsburg Water Supply Co	1959	
6	1911	Sabetha	KS	City of Sabetha	1965	
1	1903	Paducah	KY	Paducah Steam Heating Co	1923	
2	1909	Louisville	KY	Pike Campbell	1955	
1	2014	New Orleans	LA	New Orleans District Energy		Enwave
1	1878	Springfield (1)	MA	Springfield Gas Light Company	1903	
2	1880	Lynn	MA	Citizens' Steam and Gas Company of Lynn	1883	
3	1885	Lawrence	MA	Edison Electric Illuminating Co of Lawrence	1900	Exhaust steam
4	1888	Attleboro	MA	Attleboro Steam & Electric Company	1920	
5	1887	Boston	MA	Boston Heating Company	1889	Prall high-temperature hot water system
6	1892	Pittsfield	MA	Pittsfield Electric Light Company	1971	Exhaust steam
7	1895	Boston	MA	Edison Electric Illuminating Company		Now owned by Vicinity Energy
8	1905	Peabody	MA	City of Peabody	1925	
9	1913	Cambridge	MA	Boston Elevated Railway Company		Owned by Vicinity Energy
10	1914	Marlborough	MA	Marlborough Electric Co.	1930	
11	1914	Worcester	MA	Worcester Electric Light Co,	1985	
12	1915	Athol	MA	Athol Gas & Electric	1929	
13	1932	Springfield (2)	MA	Springfield Gas Light Company	1963	
14	1933	Taunton	MA	City of Taunton	1970	
15	1937	Holyoke	MA	City of Holyoke	2010	
1	1897	Cumberland	MD	Edison Electric Illuminating Company of Cumberland	1964	
2	1903	Baltimore	MD	Baltimore Refrigerating and Heating Company		Now owned by Vicinity Energy
1	1891	Presque Isle	ME	Presque Isle Electric Company	1920	
2	1900	Augusta	ME	Kennebec Light & Heat	1912	
1	1878	Detroit	MI	Detroit Steam Supply Company	1884	

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No.	Year	City	State	Owner	Shut Down	Notes
2	1897	Grand Rapids	MI	Edison Electric Light Company		Now owned by Vicinity Energy
3	1900	Houghton	MI	Peninsula Light & Heat Company	1910	
4	1900	Menominee	MI	Menominee Electric Light & Street Railway	1915	
5	1901	Lansing	MI	Imanz A. Piatt and Fred B. Piatt		Lansing Board of Water and Light
6	1903	Adrian	MI	Citizens Light & Power Company	1962	
7	1903	Detroit	MI	Central Heating Company		Detroit Thermal, LLC
8	1905	Pontiac	MI	Detroit Edison	1930	
9	1905	Yale	MI	Village City of Yale	1917	
10	1914	Battle Creek	MI	Consumers Power Company	1970	
11	1914	Saginaw	MI	Saginaw Steam Company	1970	
12	1915	Lapeer	MI	Peoples Light & Power Co	1947	
13	1927	Kalamazoo	MI	Consumers Power Company	1972	
14	1937	Escanaba	MI	City of Escanaba	1966	
1	1879	Saint Paul (1)	MN	District Energy St. Paul		Converted to hot water in 1983.
2	1890	Duluth (1)	MN	Duluth-Edison Electric Co	1920	Exhaust steam
3	1899	Crookston	MN	Crookston Water Works, Power & Lighting	1926	ADSCO exhaust steam
4	1899	St. Cloud	MN	Benton Power & Traction Company	1905	
5	1900	Owatonna	MN	Owatonna Electric Light & Heating Co.	1982	Yaryan hot water; converted to steam in 1925 after city bought the system.
6	1901	Albert Lea	MN	Albert Lea Electric Co	1957	Evans-Almirall hot water; converted to steam in 1922
7	1901	Long Prairie	MN	City of Long Prairie	1919	
8	1901	Pipestone	MN	Pipestone Electric Light , Heat and Power	1920	
9	1902	Detroit Lakes	MN	City of Detroit Lakes	1987	
10	1906	McKinley	MN	City of McKinley	1925	
11	1906	Mora	MN	Mora Electric Light, Heat & Power Co	1918	
12	1907	Staples	MN	City of Staples	1925	
13	1908	Jordan	MN	Jordan Electric Light & Steam Heating Co	1950	
14	1908	Marshall	MN	City of Marshall	1976	
15	1909	Virginia	MN	Virginia Electric Power and Water Company		Residential service discontinued in 2020.
16	1910	Alexandria	MN	City of Alexandria	1979	
17	1910	Benson	MN	City of Benson	1977	
18	1910	Faribault	MN	Shaft-Pierce Shoe Company	1925	
19	1910	Glenwood	MN	Glenwood Electric Light, Heat & Power	1950	
20	1910	Litchfield	MN	City of Litchfield	1978	
21	1910	Mapleton	MN	Mapleton Electric Light Co	1920	
22	1910	Springfield	MN	City of Springfield	2001	
23	1911	Hibbing	MN	City of Hibbing		Hibbing Public Utilities
24	1911	Keewatin	MN	City of Keewatin	1975	
25	1912	Winthrop	MN	City of Winthrop	1965	Exhaust steam
26	1913	Eveleth	MN	Home Lighting & Heating	1965	
27	1913	Wadena	MN	City of Wadena	1973	
28	1913	Willmar	MN	City of Willmar	2020	Converted to hot water in 1982
29	1914	Madison	MN	City of Madison	1978	
30	1915	Canby	MN	Union Public Service Company	1932	
31	1915	Worthington	MN	City of Worthington	1982	
32	1916	Buhl	MN	City of Buhl	1976	
33	1916	New Ulm	MN	New Ulm Heating Company		City of New Ulm District Energy
34	1916	Redwood Falls	MN	Redwood Falls Light & Power	1976	
35	1916	Sleepy Eye	MN	City of Sleepy Eye	2004	
36	1919	Windom	MN	City of Windom	1968	
37	1920	Fairmont	MN	Fairmont Public Heating Company	2007	
38	1920	Luverne	MN	City of Luverne	1972	
39	1926	Blue Earth	MN	City of Blue Earth	2005	
40	1926	Austin	MN	Austin Heating Company	1985	
41	1927	Minneapolis	MN	Baker Properties		Owned by Clearway Thermal
42	1927	Rochester (1)	MN	Franklin Heating Station		
43	1928	Rochester (2)	MN	City of Rochester	1986	
44	1932	Duluth (2)	MN	Duluth Steam Cooperative		Being converted to hot water
45	1935	Mountain Iron	MN	City of Mountain Iron	1980	
46	1936	New Prague	MN	City of New Prague	1979	
47	1939	Jackson	MN	City of Jackson	1975	
48	1983	Aitkin	MN	Aitkin Iron Works ASHCON	2010	
49	1983	Saint Paul (2)	MN	Energy Park Utility Company		Saint Paul Energy Park
50	1987	Rochester (3)	MN	Olmsted County District Energy System		Olmsted County Waste to Energy Facility
1	1889	Kansas City	MO	Edison electric lighting company		Exhaust steam
2	1895	St. Joseph	MO	St. Joseph Light and Power Co.	1978	
3	1899	Sedalia	MO	Sedalia Steam Heating Company	1920	

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No.	Year	City	State	Owner	Shut Down	Notes
4	1904	St. Louis	MO	Union Electric Light & Power Company		Distribution system owned by city of St. Louis;
5	1905	Kirksville	MO	Missouri Heat Light & Power	1965	Hot water
6	1907	Springfield	MO	Springfield Gas & Electric	1957	
7	1911	Maryville	MO	Maryville Electric Light and Power	1952	
8	1911	Mexico	MO	Mexico Power Co	1941	
9	1911	Tarkio	MO	Tarkio Electric & Water	1925	Exhaust steam
10	1912	Excelsior Springs	MO	Excelsior Springs, Water, Gas & Electric	1942	
1	1890	Missoula	MT	Missoula Mercantile Company	1960	
2	1894	Butte	MT	Phoenix Electric Light & Steam Heating Co	1950	
3	1901	Glendive	MT	Eastern Montana Light & Power	1963	
4	1906	Missoula	MT	Missoula Light & Water Co	1960	
5	1907	Billings	MT	Billings Mutual Heating Company	1939	Hot water
6	1913	Forsythe	MT	Forsyth Light & Power Co.	1939	
7	1913	Havre	MT	Montana Power Company	1919	
8	1913	Miles City	MT	City of Miles City	1961	
9	1929	Hamilton	MT	Valley Mercantile Corporation	1934	
10	1945	Livingston	MT	Miles Land and Investment Company	1960	
11	1949	Kalispell	MT	Central Heating Company	1959	
1	1900	Bismarck	ND	Hughes Electric Co.	1967	Exhaust steam
2	1900	Fargo	ND	Hughes Electric Co	1971	
3	1900	Grand Forks	ND	Grand Forks Gas & Electric Co	1970	ADSCO exhaust steam
4	1905	Ellendale	ND	Ellendale Electric Co	1964	
5	1905	Minot	ND	Minot Light & Telephone Co	1965	
6	1907	Jamestown	ND	Western Electric Company	1975	
7	1909	Dickinson	ND	Hughes & Deiters Electric Co	1952	
8	1912	Langdon	ND	Langdon Electric Plant	1930	
9	1916	Devils Lake	ND	Devils Lake Steam Heat Authority	1986	
10	1916	Enderlin	ND	Otter Tail Power Company	1924	
11	1916	LaMoure	ND	Dakota Utilities	1924	
12	1916	Mandan	ND	United Public Utilities Co.	1953	
13	1916	Oakes	ND	Otter Tail Power Company	1925	
14	1919	Valley City	ND	City of Valley City	1975	
1	1902	Lincoln (1)	NE	Lincoln Heat, Light & Power	1977	
2	1905	York	NE	York Gas & Electric	1955	
3	1906	Harvard	NE	Harvard Electric Co.	1917	
4	1907	Omaha	NE	Brandeis Investment Company		Owned by Clearway Thermal
5	1908	McCook	NE	McCook Electric Co.	1920	
6	1908	Sidney	NE	Sidney Electric Service Company	1950	
7	1909	Arlington	NE	Arlington Steam Heating Company	1925	
8	1909	Aurora	NE	Aurora Electric Company	1947	
9	1909	Geneva	NE	Geneva Electric Company	1922	
10	1909	Osceola	NE	Osceola & Shelby Electric Light, Heat & Power	1920	
11	1910	Clay Center	NE	M. M. Johnson Electric Light Plant	1920	
12	1910	Sidney	NE	Sidney Electric Service Co	1950	
13	1913	Fremont	NE	City of Fremont	1975	
14	1913	Scottsbluff	NE	Scottsbluff Electric Power Company	1955	
15	1914	Crawford	NE	Intermountain Railway Light & Power Co	1930	
16	1915	Chadron	NE	Intermountain Railway Light & Power Co	1937	
17	1915	O'Neill	NE	McGinnis Creamery & Produce Co.	1925	
18	1917	Ogallala	NE	City of Ogallala	1941	
19	1939	Grand Island	NE	City of Grand Island	1980	
20	1989	Lincoln (2)	NE	District Energy Corporation		District Energy Corporation
1	1897	Laconia	NH	Belknap Electric Power Company	1920	
2	1938	Concord	NH	Concord Steam Corporation	2017	
1	1902	Atlantic City (1)	NJ	New Jersey Hot Water Heating Co.	1960	Hot water
2	1983	Trenton	NJ	Cogeneration Development Corporation		Owned by Vicinity Energy
3	1996	Atlantic City (2)	NJ	Atlantic Thermal Systems		Midtown Thermal Control Center
1	1982	Elko	NV	Elko Heat Company		Geothermal hot water
1	1877	Lockport	NY	Holly Steam Combination Company (limited)	1969	
2	1878	Auburn	NY	Auburn Steam Heating Company	1926	
3	1879	Troy	NY	Troy Steam Heating Company	1883	
4	1879	Garden City	NY	A. T. Stewart	1880	System taken over by local church.
5	1882	New York City (1)	NY	New York Steam Company		Largest district heating system in North America.
6	1882	New York City (2)	NY	American Heating and Power Company	1883	
7	1889	Syracuse	NY	Syracuse Heat & Power Company	1910	
8	1891	Buffalo (1)	NY	Thomson-Houston Electric Light	1898	
9	1891	Greece	NY	Eastman Business Park		RED-Rochester LLC

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No.	Year	City	State	Owner	Shut Down	Notes
10	1892	Brooklyn	NY	Edison Electric Illuminating Co.	1905	Live steam for power and exhaust steam for heating
11	1894	Fredonia	NY	Dunkirk & Fredonia Railway Company	1916	
12	1894	Rochester	NY	Rochester Gas & Electric Corporation		Rochester District Heating Cooperative
13	1897	Newburgh	NY	Newburgh Light, Heat & Power Company	1953	
14	1898	Geneva	NY	Geneva NY Geneva Steam Heating Company	1908	
15	1898	Hornell	NY	American Heating Company	1948	
16	1898	Penn Yan	NY	Penn Yan Steam Heating Company	1948	
17	1899	Newark	NY	Newark Light, Heat and Power Company	1919	
18	1901	Dunkirk	NY	A. W. Cummings	1917	
19	1903	Waterville	NY	Waterville Gas & Electric Company	1922	
20	1905	Waterville	NY	Waterville Gas & Electric Company	1922	
21	1913	Port Jefferson	NY	Port Jefferson Electric Light Co	1916	
22	1915	Norwich	NY	Norwich Gas & Electric Co	1916	
23	1920	Arcade	NY	Village of Arcade	1979	
24	1924	Wellsville	NY	Village of Wellsville	1961	
25	1948	Jamestown (1)	NY	City of Jamestown	1969	
26	1967	Gates	NY	Rochester Technology Park Utility Company		Rochester Technology Park
27	1972	Hempstead	NY	Nassau Energy Corporation		
28	1884	Jamestown (2)	NY	City of Jamestown		Jamestown Board of Public Utilities
29	1987	Buffalo (2)	NY	City of Buffalo		
1	1894	Toledo	OH	Central Chandelier Co.	1985	Yaryan hot water system
2	1897	Tiffin	OH	Tiffin Edison Illuminating Company	1916	
3	1898	Springfield	OH	Springfield Light, Heat & Power Co	1980	
4	1900	Cleveland (1)	OH	Cleveland Electric Railway Company		Owned by Corix Cleveland Thermal
5	1900	Delaware	OH	Gwynne Central Station Heating Company	1957	Yaryan hot water system
6	1900	Youngstown	OH	Youngstown Steam Heating Company		SOBE Thermal Energy Systems, LLC.
7	1901	Bowling Green	OH	Bowling Green Electric Light & Power	1920	Yaryan hot water system
8	1901	Columbus	OH	Indianola Land & Power Company	1905	Yaryan hot water system
9	1901	Coshocton	OH	Merchants Electric Light & Power Company	1928	Schott hot water system
10	1901	Leipsic	OH	Leipsic Light, Heat & Power	1920	
11	1901	Van Wert	OH	Public Service Company of Van Wert	1917	
12	1901	Washington Court House	OH	Washington-Smead Hot Water Company	1950	Smead hot water system
13	1902	Ada	OH	Ada Water, Light & Heat Co	1920	Hot water
14	1902	Altoona	OH	Citizens Electric Light, Heat, & Power Co.	1947	
15	1902	Findlay	OH	Findlay Street Railway Co,	1920	Yaryan hot water system
16	1902	Fremont	OH	Fremont Yaryan Co.	1936	Yaryan hot water system
17	1902	Lima	OH	Ohio Power Co.	1955	
18	1902	New Philadelphia	OH	Ohio Service Co.	1952	
19	1903	Piqua (1)	OH	Miami Light, Heat & Power Company	1928	Evans-Almirall Hot Water System
20	1905	Oberlin	OH	Oberlin Gas & Electric Co	1923	
21	1907	Canton	OH	Canton Electric Company	1975	
22	1907	Dayton	OH	Dayton Citizens Electric Company	1997	
23	1925	Mariemont	OH	The Mariemont Company	1954	
24	1927	Akron	OH	Akron Steam Heating Company		Operated by Akron Energy Systems
25	1932	Cleveland (2)	OH	Medical Center Company		Medical Center Company
26	1937	Bluffton	OH	Village of Bluffton	1945	
27	1943	Piqua (2)	OH	City of Piqua	2006	Converted to hot water in 1983
1	1970	Oklahoma City	OK	Thermal Systems, Inc. (Oklahoma Natural Gas)		Owned by Vicinity Energy
2	1970	Tulsa	OK	Thermal Systems, Inc. (Oklahoma Natural Gas)		Owned by Vicinity Energy
1	1905	McMinnville	OR	Central Heating Co.	1920	
2	1910	Eugene	OR	Eugene Heating Company	2012	
3	1910	Portland (1)	OR	Portland Central Heating Company	1920	Hot water
4	1914	Portland (2)	OR	Northwestern Electric Company	1986	
5	1919	Klamath Falls (1)	OR	Klamath Heating Co	1970	
6	1991	Klamath Falls (2)	OR	City of Klamath Falls		Geothermal hot water
1	1883	Clearfield	PA	Clearfield Steam Heating Company	1956	
2	1883	Philipsburg	PA	Philipsburg Steam Heating Company	1957	
3	1883	Bellefonte	PA	Bellefonte Gas and Steam Heating Company	1916	
4	1884	Williamsport	PA	Williamsport Steam Company	1917	
5	1884	Lock Haven	PA	Lock Haven Illuminating, Heating and Power Company	1916	
6	1886	Wilkes-Barre	PA	Pennsylvania Power & Light	1990	
7	1886	Tyrone	PA	Home Electric Light and Steam Heating Company	1946	
8	1886	Harrisburg	PA	Harrisburg Light & Power Company		Now owned by Clearway Thermal
9	1887	Hazleton	PA	Hazleton Steam Heating Company	1920	
10	1887	Reading	PA	Reading Steam Heat and Power Company	1968	
11	1887	Bloomsburg	PA	Bloomsburg Heating Company	1968	

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12	1888	Pottsville	PA	Pottsville Steam Heat & Power Company	1972	
13	1888	Allentown	PA	Allentown Steam Heating & Power Company	1968	
14	1888	Lebanon	PA	Lebanon Steam Company	1966	
15	1889	Philadelphia	PA	Edison Electric Light Company of Philadelphia		Now owned by Vicinity Energy
16	1889	Chester	PA	Chester Steam Heating and Power Company	1900	Exhaust steam
17	1892	Shenandoah	PA	Shenandoah Heat & Power Company	1919	Exhaust steam
18	1893	Overbrook	PA	Overbrook Steam Heat Company	1973	
19	1894	Scranton	PA	Economy Steam Heat Company	2006	
20	1895	Germantown	PA	Germantown Steam Company	1963	
21	1896	Greenville	PA	Peoples Electric Light, Heat & Power Company	1921	
22	1896	Towanda	PA	Towanda Electric Illuminating Company	1963	Exhaust steam
23	1897	Mahanoy City	PA	Anthracite Light, Heat & Power Company	1930	
24	1898	Erie	PA	Home Heating Company	1991	Building now houses the Erie Maritime Museum
25	1898	York	PA	York Steam Heating Company	1977	Exhaust steam
26	1899	Mt. Pleasant	PA	People's Heating Co	1915	
27	1899	Wilkinsburg	PA	Pennsylvania Heat & Power Co.	1915	
28	1900	Johnstown	PA	Johnstown Steam Heat Company	1969	
29	1900	Washington	PA	Washington Steam Heating Co	1920	
30	1901	Montrose	PA	Montrose Electric Light, Heat and Power Co.	1915	
31	1901	Renovo	PA	Renovo Edison Light, Heat and Power Co	1970	
32	1902	Bangor	PA	Bangor Electric Light, Heat & Power Co.	1968	
33	1902	Easton	PA	Peoples Steam Heat & Power Co	1967	
34	1902	West Chester	PA	Edison Electric Illuminating Co. of West Chester	1973	Exhaust steam
35	1902	Norristown	PA	Norristown Light & Steam Heat Company	1920	
36	1906	Spring Grove	PA	P. H. Glatfelter Co	1949	
37	1907	Pittsburgh (1)	PA	Bellefield Boiler Plant		Bellefield Boiler Plant (Wikipedia)
38	1908	Windber	PA	Windber Heating Co	1962	
39	1910	Vandergrift	PA	Vandergrift Land & Improvement Co.	1925	
40	1912	Hanover	PA	Central Heating Company	1968	
41	1913	State College	PA	Poe Steam Company	1918	
42	1913	Wayne	PA	Wayne Steam Heat Company	1949	
43	1915	Pittsburgh (2)	PA	Allegheny County Steam Heating Company		Pittsburgh Allegheny County Thermal
44	1927	Bala Cynwyd	PA	Bala Steam Heat Company	1948	
45	1927	Drexel Park	PA	Aronimink Park Heating Co	1948	
46	1927	Springfield Township	PA	Springfield Steam Company	1936	
47	1927	Wynnefield	PA	Wynnefield Steam Heat Company	1948	
48	1928	Yeadon	PA	Longacre Park Heating Company	1972	
49	1929	Lower Merion Twp	PA	Lewis Jones Inc	1972	
50	1966	Pittsburgh (3)	PA	Equitable Gas - Energy Company		Owned by Clearway Thermal
1	1899	Pawtucket	RI	Pawtucket Electric Co	1920	
1	1914	Redfield	SC	City of Redfield	1970	
1	1902	Brookings	SD	City of Brookings	1985	
2	1905	Mobridge	SD	Mobridge Light, Heat & Power Co	1980	
3	1921	Miller	SD	City of Miller	1950	
4	1921	Watertown	SD	Watertown Central Heating Co	1991	
5	1930	Huron	SD	Central Heating Company	1965	
6	1981	Philip	SD	Philip Geothermal Corporation		Geothermal hot water
1	1974	Nashville	TN	Nashville Thermal Transfer		Metro Nashville District Energy System
1	1900	Cleburn	TX	Cleburn Electric Light Co	1920	
2	1900	Waxahachie	TX	Waxahachie Electric Light Co	1910	
3	1910	Bellville	TX	City of Bellville	1920	
4	1964	Nassau Bay	TX	Houston Natural Gas	1990	
5	1969	Houston (1)	TX	Houston Natural Gas		Thermal Energy Corporation
6	1999	Houston (2)	TX	Union Station District Energy Plant		Enwave
1	1888	Salt Lake City	UT	Salt Lake Power, Light and Heating Company	1996	Heating plant sold to LDS Church.
2	1986	Provo	UT	City of Provo	1990	
1	1906	Clifton Forge	VA	Clifton Forge Public Service Co	1917	
1	2014	Montpelier	VT	City of Montpelier State of Vermont		Hot water
1	1890	Seattle	WA	Seattle Electric Company		Owned by Enwave
2	1891	Tacoma	WA	Syndicate Heat & Power	1979	
3	1910	Yakima	WA	Yakima Central Heating Co	1969	
4	1916	Spokane	WA	Merchants Central Heating Company	1986	Old plant now a restaurant.
5	1946	Olympia	WA	Olympia Steam Heating Company	1963	
1	1879	Milwaukee (1)	WI	Milwaukee Steam Supply Company	1881	
2	1898	La Crosse	WI	La Crosse Gas & Electric Company	1969	Yaryan hot water system
3	1898	Portage	WI	Portage Electric Light Company	1951	Yaryan hot water system
4	1899	Kenosha	WI	Kenosha Gas & Electric Company	1920	Yaryan hot water system

Chronological List of Commercial District Heating Companies by State

No.	Year	City	State	Owner	Shut Down	Notes
5	1899	Marinette	WI	Marinette Electric Light & Street Railway Co	1915	
6	1900	Janesville	WI	Janesville Electric Co.	1912	Hot water
7	1904	Beaver Dam	WI	Beaver Dam Light & Power Co.	1950	
8	1905	Mineral Point	WI	Mineral Point Electric Light Co	1925	
9	1906	Milwaukee (2)	WI	Central Heating Company		Owned by WE Energies
10	1907	Waukesha	WI	Waukesha Gas & Electric	1963	
11	1907	West Bend	WI	West Bend Heating & Lighting Co	1938	
12	1908	Sturgeon Bay	WI	City of Sturgeon Bay	1935	
13	1909	Burlington	WI	Burlington Heating Company	1936	
14	1910	Lake Mills	WI	City of Lake Mills	1950	
15	1915	Hartford	WI	City of Hartford	1925	
16	1915	Waterloo	WI	City of Waterloo	1992	
17	1919	Hudson	WI	Willow River Power Company	1963	Exhaust steam
18	1945	Manitowoc	WI	City of Manitowoc		Manitowoc Public Utilities
19	1950	Rice Lake	WI	Rice Lake Steam Corporation	1989	
1	1904	Cheyenne	WY	Cheyenne Light, Fuel & Power Co.	1979	
2	1908	Evanston	WY	Evanston Electric Light Company	1922	
3	1911	Laramie	WY	Laramie Electric Company	1940	
4	1914	Casper	WY	Natrona Power Company	1955	

Alphabetical List of Commercial District Heating Companies by State

Year	City	State	Owner	Shut Down	Notes
1905	Fairbanks	AK	Northern Commercial Company		Owned by Aurora Energy
1903	Birmingham	AL	Birmingham Railway, Light and Power Company	2013	Exhaust steam
1904	Little Rock	AR	Little Rock AR Little Rock Heating Company	1952	Schott hot water, converted to steam in 1914
1920	Flagstaff	AZ	Flagstaff Electric Company	1966	Exhaust steam
1968	Tucson	AZ	City of Tucson		Owned (mostly) by City of Tucson
1966	Los Angeles Century City	CA	Central Plants, Inc.		Enwave
1966	Los Angeles Bunker Hill	CA	Central Plants, Inc.		Enwave
1911	Oakland	CA	Oakland, Gas, Light & Heat Company	1980	
1984	San Bernadino	CA	City of San Bernadino		Geothermal hot water
1920	San Diego	CA	San Diego Gas & Electric	1993	
1885	San Francisco	CA	United Light & Power Co. of San Francisco		Now owned by Clearway Thermal
1982	Susanville	CA	City of Susanville		Geothermal hot water
1900	Colorado Springs	CO	Colorado Springs Electric Company	1920	Exhaust Steam
1880	Denver	CO	Denver City Steam Heating Company		Oldest commercial district heating company in North America;
1901	Idaho Springs	CO	Seaton Mountain Electric Light, Heat and Power Co.	1919	Exhaust steam
1911	Lamar	CO	Lamar Electric & Heating Co	1922	Exhaust steam
1982	Pagosa Springs	CO	City of Pagosa Springs		Geothermal hot water
1915	Steamboat Springs	CO	Steamboat Heating Company	1920	
1905	Walsenburg	CO	Walsenburg Light, Power & Ice Co	1913	
1902	Bristol	CT	Bristol & Plainville Tramway Co	1947	
1913	Danbury	CT	Danbury & Bethel Gas & Electric Co	1918	
1880	Hartford (1)	CT	Hartford Steam Company	1892	
1962	Hartford (2)	CT	Hartford Steam Company		Hartford Steam Company
1988	Hartford (3)	CT	State of Connecticut		Capitol Area System District Heating and Cooling
1880	New Haven	CT	New Haven Heat Supply Company	1908	
1905	South Norwalk	CT	City of South Norwalk	1911	
1907	Uniontown	CT	Union Light & Power	1920	
1900	Waterbury	CT	Connecticut Light & Power	1926	
1886	Washington	DC	Washington Heat & Power Co.	1889	Prall high-temperature hot water system
1965	Washington (Watergate)	DC	Washington Gas Light		Owned by Vicinity Energy
1900	Atlanta	GA	Atlanta Steam Company	1988	
1889	Ackley	IA	Ackley Electric Light & Heating Co	1933	Homemade exhaust steam
1899	Boone	IA	Boone Heating Company	1962	Yaryan hot water system
1908	Britt	IA	Britt Light & Power Co.,	1953	
1880	Burlington	IA	Burlington Steam Supply Company	1920	
1901	Buxton	IA	Consolidation Coal Company	1925	
1892	Carroll	IA	Carroll Electric Light & Power Co.	1973	Exhaust steam initially, replaced by hot water in 1900
1892	Cedar Rapids	IA	Cedar Rapids Electric Light and Power Co.		Provides high pressure steam to two customers.
1901	Centerville	IA	Citizens Electric Light and Gas Co	1961	
1903	Clarinda	IA	Lee Electric Light Co	1964	
1900	Cresco	IA	Cresco Light, Heat & Power	1912	Hot water
1881	Davenport	IA	Davenport Steam Heating Company	1942	
1897	Davenport	IA	Davenport Gas & Electric Co	1943	
1903	Decatur	IA	Decatur Steam Heating Co.	1957	
1891	Des Moines	IA	Des Moines Steam Heating Co.	1905	
1879	Dubuque	IA	Dubuque Steam Supply Company	1892	
1895	Eagle Grove	IA	Eagle Grove Electric	1980	Plant sold to Ag Processing, Inc. to produce steam and electricity for their food processing facility.
1896	Eldora	IA	Eldora Electric Company	1917	
1892	Grinnell	IA	Grinnell Electric Light Co	1960	Exhaust steam
1898	Grundy Center	IA	Grundy Center Electric Light Co	1973	
1906	Guthrie Center	IA	Guthrie Center Electric Light Co.	1917	
1899	Ida Grove	IA	Ida Grove Electric Company	1966	Yaryan hot water system
1899	Iowa Falls	IA	Iowa Falls Electric Light & Power Co.	1963	Yaryan hot water system
1892	Malvern	IA	Malvern Light & Power	1925	
1906	Manchester	IA	Manchester Heat, Light & Power Co	1930	
1892	Marion	IA	Addison L. Daniels Gas & Electric Works	1940	Exhaust steam
1899	Mason City	IA	Brice Gas and Electric Company	1970	Yaryan hot water system
1898	Missouri Valley	IA	Missouri Valley Electric Company	1962	Yaryan hot water; converted to steam around 1929
1897	Muscatine	IA	Muscatine Electric Railway Co.	1902	
1901	New Hampton	IA	Electric Light Company	1963	

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Year	City	State	Owner	Shut Down	Notes
1889	Ottumwa	IA	Ottumwa Electric and Steam Company	1956	Exhaust steam
1898	Parkersburg	IA	Parkersburg Electric Light, Heat & Power Co	1914	Exhaust steam
1899	Perry	IA	Iowa Electric Light & Power	1981	Yaryan hot water system
1899	Red Oak	IA	Red Oak Electric Light Company	1954	Evans-Almirall hot water system
1916	Rock Rapids	IA	City of Rock Rapids	1966	
1916	Sibley	IA	City of Sibley	1984	
1891	Sioux City	IA	Boston Investment Company	1980	
1895	Spencer (1)	IA	Spencer Electric Light & Power Co	1901	Homemade exhaust steam
1917	Spencer (2)	IA	Spencer Heating Company	1987	
1901	Spirit Lake	IA	B. F. Stevens	1980	
1906	Story City	IA	City of Story City	1930	
1906	Stuart	IA	City of Stuart	1930	
1906	Traer	IA	Traer Electric Company	1974	
1903	Vinton	IA	Iowa Electric Light & Power	1962	Exhaust steam
1904	Vinton	IA	Vinton Pearl Button Manufacturing Co.	1961	
1895	Webster City	IA	City of Webster	1970	Exhaust steam
2013	West Union	IA	City of West Union		Geothermal hot water (heat pumps in each building)
1892	Boise (1)	ID	Artesian Hot and Cold Water Company		Geothermal Hot Water
1983	Boise (2)	ID	City of Boise Geothermal		City of Boise Geothermal
1912	Aledo	IL	Illinois Northern Utilities Co	1926	Exhaust steam
1899	Alton	IL	Alton Gas & Electric Company	1918	Yaryan hot water system
1893	Aurora	IL	Aurora Street Railway Company	1964	Exhaust steam
1922	Batavia	IL	City of Batavia	1930	
1879	Belleville	IL	Belleville Steam Supply Company	1889	Owned by Jacob Brosius
1902	Belvidere	IL	Belvidere Gas & Electric	1940	Initially Yaryan hot water, some customers converted to steam in 1920 when hot water was discontinued.
1900	Bloomington	IL	A. E. Demange	1971	Hot water discontinued in 1923
1901	Bowling Green	IL	Bowling Green Electric Light & Power Co	1916	Hot water
1907	Canton	IL	Canton Gas & Electric	1937	
1904	Carrollton	IL	Carrollton Light, Heat and Power Co	1921	
1900	Champaign	IL	Urbana & Champaign Railway, Gas & Electric	1959	
1900	Charleston	IL	Charleston Light, Heat & Power Co.	1921	
1898	Chicago	IL	Illinois Maintenance Company	1979	
1951	Chicago	IL	Medical Center Steam Company	1981	Transferred to UI Medical Center
1902	Clinton	IL	Clinton Gas Company	1947	ADSCO exhaust steam
1895	Danville	IL	Danville Electric Light and Power Co	1960	
1904	DeKalb	IL	DeKalb Electric Co	1957	
1900	Evanston	IL	Evanston Yaryan Co.	1949	Yaryan hot water system
1903	Galesburg	IL	Galesburg Railway & Light Co	1957	
1899	Hillsboro	IL	Hillsboro Electric Co	1924	
1906	Hoopeston	IL	Hoopeston Gas & Electric	1913	
1899	Jerseyville	IL	Jerseyville Light, Heat & Power Co	1916	Yaryan hot water; converted to steam around 1912
1904	Kewanee	IL	Kewanee Light & Power Co	1937	
1899	La Salle	IL	Marquette Heat & Light Co	1920	
1903	Lincoln	IL	Lincoln Street Car & Heating Co	1916	
1898	Mattoon	IL	Mattoon Heat, Light and Power Company	1935	Yaryan hot water system
1907	Monmouth	IL	Monmouth Gas & Electric	1938	
1905	Morrisonville	IL	Morrisonville Electric Co	1925	
1907	Morton	IL	Morton Light, Heat, Power & Water Co	1915	
1905	Mowequa	IL	Mowequa Electric Company	1916	
1906	Mt. Carmel	IL	New Electric Company	1920	Hot water
1903	Mt. Vernon	IL	Citizens Gas, Electric & Heating	1921	Schott hot water system
1901	Oak Park	IL	Oak Park Light, Heat & Power Co.	1958	
1904	Pana	IL	Pana Gas, Light, Fuel and Heating Co	1946	
1900	Paris	IL	Paris Gas Light & Coke Co.	1929	Yaryan hot water
1900	Paxton	IL	Paxton Electric Company	1927	Hot water initially, converted to steam after 1912.
1899	Pekin	IL	Pekin Electric Co.	1934	
1900	Peoria	IL	Peoria Gas & Electric Co.	1971	
1901	Pontiac	IL	Pontiac Electric Light and Power Co	1931	ADSCO exhaust steam
1901	Quincy	IL	Quincy Steam Heating Co	1951	
1903	Rensselaer	IL	City of Rensselaer	1940	
1902	Rockford	IL	Central Heat & Power	1973	
1890	Springfield	IL	Springfield Electric Light and Power	1968	Exhaust steam
1910	Streator	IL	Streator Heat and Power Co	1929	Exhaust steam installed by W. H. Schott
1893	Sycamore	IL	DeKalb-Sycamore Electric Co	1941	

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Year	City	State	Owner	Shut Down	Notes
1897	Taylorville	IL	Steam Heating Plant of Taylorville	1978	ADSCO exhaust steam
1899	Terre Haute	IL	Terre Haute Traction & Light Company	1947	Hot water discontinued 1947
1902	Tuscola	IL	Tuscola Water & Light	1923	
1900	Urbana	IL	Urbana Light, Heat & Power	1957	
1906	Virden	IL	Virden Electric Light Co	1921	
1899	Watseka	IL	Watseka Electric Company	1917	
1899	Waukegan	IL	Waukegan Electric Co.	1924	Hot water
1903	White Hall	IL	White Hall Sewer Pipe & Stoneware Co	1922	
1893	Winona	IL	Warsaw General Electric Co,	1923	
1903	Anderson (1)	IN	Home Heating Company	1925	
1910	Anderson (2)	IN	City of Anderson	1971	
1901	Bedford	IN	Bedford Light, Heat & Power Co.	1921	Hot water
1901	Bloomington	IN	Central Indiana Lighting Co.	1920	Hot water
1901	Boonville	IN	Boonville Electric Light & Power Co.	1941	Hot water
1902	Brazil	IN	A. Dinkle Florist	1907	
1915	Columbia City	IN	City of Columbia	1956	
1902	Connersville	IN	Light Heat & Power Co.	1920	Hot water
1909	Crawfordsville	IN	Crawfordsville Heating Company	1933	Hot water
1902	Elwood	IN	Elwood Electric Light Co.	1935	Hot water
1909	Evansville	IN	Evansville Public Service	1967	
1902	Fowler	IN	Fowler Utilities Co.	1920	Hot water
1906	Frankfort	IN	The Frankfort Heating Co.	1920	Hot water
1914	Garrett	IN	City of Garrett	1954	
1918	Goshen	IN	Municipal Heating Plant	1932	
1905	Huntington	IN	The Huntington Light & Fuel Co.	1939	Exhaust steam
1889	Indianapolis	IN	Marmon-Perry Light Company		Yaryan hot water system installed in 1902; converted to steam in 1929.
1897	La Porte	IN	La Porte Electric Company	1952	Yaryan hot water system
1902	Lafayette	IN	Merchants Heating and Lighting Company	1947	Schott hot water system
1910	Logansport	IN	Logansport Heat & Power Co	1922	Hot water
1901	Marion	IN	Marion Lighting & Heating Co.	1957	Hot water
1904	Mooreville	IN	Public Service Co.	1921	Exhaust steam
1901	Muncie	IN	Muncie Electric Light Co.	1966	Exhaust steam
1902	New Castle	IN	New Castle Light, Heat & Power Co.	1926	Hot water
1901	Noblesville	IN	Noblesville, Heat, Light & Power Co.	1939	Hot water
1902	Peru	IN	Peru Heating Co.	1934	Hot water
1901	Princeton	IN	Princeton Light & Power	1924	Yaryan hot water
1901	Rochester	IN	Rochester Light, Heat & Power Co.	1942	Exhaust steam
1916	South Bend	IN	St. Joseph Heating Company	1972	
1901	Sullivan	IN	Sullivan Heat, Light & Power Co	1908	Hot water
1905	Thorntown	IN	Town of Thorntown	1927	
1901	Urbana	IN	Urbana Light, Heat & Power Co.	1957	
1898	Fort Scott	KS	Fort Scott Steam Heating Co	1952	ADSCO exhaust steam
1904	Pittsburg	KS	Pittsburg Water Supply Co	1959	
1911	Sabetha	KS	City of Sabetha	1965	
1902	Salina	KS	Kansas Ice & Storage Co.	1930	
1886	Topeka (1)	KS	Topeka Steam Heating Company	1889	
1897	Topeka (2)	KS	Edison Electric Illuminating Company	1984	Exhaust steam
1909	Louisville	KY	Pike Campbell	1955	
1903	Paducah	KY	Paducah Steam Heating Co	1923	
2014	New Orleans	LA	New Orleans District Energy		Enwave
1915	Athol	MA	Athol Gas & Electric	1929	
1888	Attleboro	MA	Attleboro Steam & Electric Company	1920	
1888	Boston (1)	MA	Boston Heating Company	1889	Prall high-temperature hot water system
1895	Boston (2)	MA	Edison Electric Illuminating Company		Now owned by Vicinity Energy
1907	Boston (3)	MA	Medical Area Total Energy Plant		Owned by Longwood Energy Partners
1913	Cambridge	MA	Boston Elevated Railway Company		Owned by Vicinity Energy
1937	Holyoke	MA	City of Holyoke	2010	
1885	Lawrence	MA	Edison Electric Illuminating Co of Lawrence	1900	Exhaust steam
1880	Lynn	MA	Citizens' Steam and Gas Company of Lynn	1883	
1914	Marlborough	MA	Marlborough Electric Co.	1930	
1905	Peabody	MA	City of Peabody	1925	
1892	Pittsfield	MA	Pittsfield Electric Light Company	1971	Exhaust steam
1878	Springfield (1)	MA	Springfield Gas Light Company	1903	
1932	Springfield (2)	MA	Springfield Gas Light Company	1963	

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Year	City	State	Owner	Shut Down	Notes
1933	Taunton	MA	City of Taunton	1970	
1914	Worcester	MA	Worcester Electric Light Co,	1985	
1903	Baltimore	MD	Baltimore Refrigerating and Heating Company		Now owned by Vicinity Energy
1897	Cumberland	MD	Edison Electric Illuminating Company of Cumberland	1964	
1900	Augusta	ME	Kennebec Light & Heat	1912	
1891	Presque Isle	ME	Presque Isle Electric Company	1920	
1903	Adrian	MI	Citizens Light & Power Company	1962	
1914	Battle Creek	MI	Consumers Power Company	1970	
1878	Detroit (1)	MI	Detroit Steam Supply Company	1884	
1903	Detroit (2)	MI	Central Heating Company		Detroit Thermal, LLC
1937	EsCANABA	MI	City of Escanaba	1966	
1897	Grand Rapids	MI	Edison Electric Light Company		Now owned by Vicinity Energy
1900	Houghton	MI	Peninsula Light & Heat Company	1910	
1927	Kalamazoo	MI	Consumers Power Company	1972	
1901	Lansing	MI	Imanz A. Piatt and Fred B. Piatt		Lansing Board of Water and Light
1915	Lapeer	MI	Peoples Light & Power Co	1947	
1900	Menominee	MI	Menominee Electric Light & Street Railway	1915	
1905	Pontiac	MI	Detroit Edison	1930	
1914	Saginaw	MI	Saginaw Steam Company	1970	
1905	Yale	MI	Village City of Yale	1917	
1983	Aitkin	MN	Aitkin Iron Works ASHCON	2010	
1901	Albert Lea	MN	Albert Lea Electric Co	1957	Evans-Almirall hot water; converted to steam in 1922
1910	Alexandria	MN	City of Alexandria	1979	
1926	Austin	MN	Austin Heating Company	1985	
1910	Benson	MN	City of Benson	1977	
1926	Blue Earth	MN	City of Blue Earth	2005	
1916	Buhl	MN	City of Buhl	1976	
1915	Canby	MN	Union Public Service Company	1932	
1899	Crookston	MN	Crookston Water Works, Power & Lighting	1926	ADSCO exhaust steam
1902	Detroit Lakes	MN	City of Detroit Lakes	1987	
1890	Duluth (1)	MN	Duluth-Edison Electric Co	1920	Exhaust steam
1932	Duluth (2)	MN	Duluth Steam Cooperative		Being converted to hot water
1913	Eveleth	MN	Home Lighting & Heating	1965	
1920	Fairmont	MN	Fairmont Public Heating Company	2007	
1910	Faribault	MN	Shaft-Pierce Shoe Company	1925	
1910	Glenwood	MN	Glenwood Electric Light, Heat & Power	1950	
1911	Hibbing	MN	City of Hibbing		Hibbing Public Utilities
1939	Jackson	MN	City of Jackson	1975	
1908	Jordan	MN	Jordan Electric Light & Steam Heating Co	1950	
1911	Keewatin	MN	City of Keewatin	1975	
1910	Litchfield	MN	City of Litchfield	1978	
1901	Long Prairie	MN	City of Long Prairie	1919	
1920	Luverne	MN	City of Luverne	1972	
1914	Madison	MN	City of Madison	1978	
1910	Mapleton	MN	Mapleton Electric Light Co	1920	
1908	Marshall	MN	City of Marshall	1976	
1906	McKinley	MN	City of McKinley	1925	
1927	Minneapolis	MN	Baker Properties		Owned by Clearway Thermal
1906	Mora	MN	Mora Electric Light, Heat & Power Co	1918	
1935	Mountain Iron	MN	City of Mountain Iron	1980	
1936	New Prague	MN	City of New Prague	1979	
1916	New Ulm	MN	New Ulm Heating Company		City of New Ulm District Energy
1900	Owatonna	MN	Owatonna Electric Light & Heating Co.	1982	Yaryan hot water; converted to steam in 1925 after city bought the system.
1901	Pipestone	MN	Pipestone Electric Light , Heat and Power	1920	
1916	Redwood Falls	MN	Redwood Falls Light & Power	1976	
1927	Rochester (1)	MN	Franklin Heating Station		
1928	Rochester (2)	MN	City of Rochester	1986	
1987	Rochester (3)	MN	Olmsted County District Energy System		Olmsted County Waste to Energy Facility
1916	Sleepy Eye	MN	City of Sleepy Eye	2004	
1910	Springfield	MN	City of Springfield	2001	
1899	St. Cloud	MN	Benton Power & Traction Company	1905	
1879	Saint Paul (1)	MN	District Energy St. Paul		Converted to hot water in 1983.
1883	Saint Paul (2)	MN	Energy Park Utility Company		Saint Paul Energy Park
1907	Staples	MN	City of Staples	1925	

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Year	City	State	Owner	Shut Down	Notes
1909	Virginia	MN	Virginia Electric Power and Water Company		Residential service discontinued in 2020.
1913	Wadena	MN	City of Wadena	1973	
1913	Willmar	MN	City of Willmar	2020	Converted to hot water in 1982
1919	Windom	MN	City of Windom	1968	
1912	Winthrop	MN	City of Winthrop	1965	Exhaust steam
1915	Worthington	MN	City of Worthington	1982	
1912	Excelsior Springs	MO	Excelsior Springs, Water, Gas & Electric	1942	
1889	Kansas City	MO	Edison electric lighting company		Exhaust steam
1905	Kirksville	MO	Missouri Heat Light & Power	1965	Hot water
1911	Maryville	MO	Maryville Electric Light and Power	1952	
1911	Mexico	MO	Mexico Power Co	1941	
1899	Sedalia	MO	Sedalia Steam Heating Company	1920	
1907	Springfield	MO	Springfield Gas & Electric	1957	
1892	St. Joseph	MO	St. Joseph Light & Power Co.	1978	Exhaust steam
1904	St. Louis	MO	Union Electric Light & Power Company		Distribution system owned by city of St. Louis;
1911	Tarkio	MO	Tarkio Electric & Water	1925	Exhaust steam
1907	Billings	MT	Billings Mutual Heating Company	1939	Hot water
1894	Butte	MT	Phoenix Electric Light & Steam Heating Co	1950	
1913	Forsythe	MT	Forsyth Light & Power Co.	1939	
1901	Glendive	MT	Eastern Montana Light & Power	1963	
1929	Hamilton	MT	Valley Mercantile Corporation	1934	
1913	Havre	MT	Montana Power Company	1919	
1949	Kalispell	MT	Central Heating Company	1959	
1945	Livingston	MT	Miles Land and Investment Company	1960	
1913	Miles City	MT	City of Miles City	1961	
1890	Missoula	MT	Missoula Mercantile Company	1960	
1906	Missoula	MT	Missoula Light & Water Co	1960	
1900	Bismarck	ND	Hughes Electric Co.	1967	Exhaust steam
1916	Devils Lake	NC	Devils Lake Steam Heat Authority	1986	
1909	Dickinson	ND	Hughes & Deiters Electric Co	1952	
1905	Ellendale	ND	Ellendale Electric Co	1964	
1916	Enderlin	ND	Otter Tail Power Company	1924	
1900	Fargo	ND	Hughes Electric Co	1971	
1900	Grand Forks	ND	Grand Forks Gas & Electric Co	1970	ADSCO exhaust steam
1907	Jamestown	ND	Western Electric Company	1975	
1916	LaMoure	ND	Dakota Utilities	1924	
1912	Langdon	ND	Langdon Electric Plant	1930	
1916	Mandan	ND	United Public Utilities Co.	1953	
1905	Minot	ND	Minot Light & Telephone Co	1965	
1916	Oakes	ND	Otter Tail Power Company	1925	
1919	Valley City	ND	City of Valley City	1975	
1909	Arlington	NE	Arlington Steam Heating Company	1925	
1909	Aurora	NE	Aurora Electric Company	1947	
1915	Chadron	NE	Intermountain Railway Light & Power Co	1937	
1910	Clay Center	NE	M. M. Johnson Electric Light Plant	1920	
1914	Crawford	NE	Intermountain Railway Light & Power Co	1930	
1913	Fremont	NE	City of Fremont	1975	
1909	Geneva	NE	Geneva Electric Company	1922	
1939	Grand Island	NE	City of Grand Island	1980	
1906	Harvard	NE	Harvard Electric Co.	1917	
1902	Lincoln (1)	NE	Lincoln Heat, Light & Power	1977	
1989	Lincoln (2)	NE	District Energy Corporation		District Energy Corporation
1908	McCook	NE	McCook Electric Co.	1920	
1907	Omaha	NE	Brandeis Investment Company		Owned by Clearway Thermal
1915	O'Neill	NE	McGinnis Creamery & Produce Co.	1925	
1909	Osceola	NE	Osceola & Shelby Electric Light, Heat & Power	1920	
1917	Ogallala	NE	City of Ogallala	1941	
1913	Scottsbluff	NE	Scottsbluff Electric Power Company	1955	
1908	Sidney	NE	Sidney Electric Service Company	1950	
1910	Sidney	NE	Sidney Electric Service Co	1950	
1905	York	NE	York Gas & Electric	1955	
1938	Concord	NH	Concord Steam Corporation	2017	
1897	Laconia	NH	Belknap Electric Power Company	1920	
1902	Atlantic City (1)	NJ	New Jersey Hot Water Heating Co.	1960	Hot water
1996	Atlantic City (2)	NJ	Atlantic Thermal Systems		Midtown Thermal Control Center

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Year	City	State	Owner	Shut Down	Notes
1983	Trenton	NJ	Cogeneration Development Corporation		Owned by Vicinity Energy
1982	Elko	NV	Elko Heat Company		Geothermal hot water
1920	Arcade	NY	Village of Arcade	1979	
1878	Auburn	NY	Auburn Steam Heating Company	1926	
1892	Brooklyn	NY	Edison Electric Illuminating Co.	1905	Live steam for power and exhaust steam for heating
1891	Buffalo (1)	NY	Thomson-Houstong Electric Co.	1898	
1987	Buffalo (2)	NY	City of Buffalo		
1901	Dunkirk	NY	A. W. Cummings	1917	
1894	Fredonia	NY	Dunkirk & Fredonia Railway Company	1916	
1879	Garden City	NY	A. T. Stewart	1880	System taken over by local church.
1967	Gates	NY	Rochester Technology Park Utility Company		Rochester Technology Park
1898	Geneva	NY	Geneva NY Geneva Steam Heating Company	1908	
1891	Greece	NY	Eastman Business Park		RED-Rochester LLC
1972	Hempstead	NY	Nassau Energy Corporation		
1898	Hornell	NY	American Heating Company	1948	
1948	Jamestown (1)	NY	City of Jamestown	1969	
1984	Jamestown (2)	NY	City of Jamestown		Jamestown Board of Public Utilities
1877	Lockport	NY	Holly Steam Combination Company (limited)	1969	
1882	New York City (1)	NY	New York Steam Company		Largest district heating system in North America.
1882	New York City (2)	NY	American Heating and Power Company	1883	
1899	Newark	NY	Newark Light, Heat and Power Company	1919	
1897	Newburgh	NY	Newburgh Light, Heat & Power Company	1953	
1915	Norwich	NY	Norwich Gas & Electric Co	1916	
1898	Penn Yan	NY	Penn Yan Steam Heating Company	1948	
1913	Port Jefferson	NY	Port Jefferson Electric Light Co	1916	
1894	Rochester	NY	Rochester Gas & Electric Corporation		Rochester District Heating Cooperative
1889	Syracuse	NY	Syracuse Heat & Power Company	1910	
1879	Troy	NY	Troy Steam Heating Company	1883	
1903	Waterville	NY	Waterville Gas & Electric Company	1922	
1905	Waterville	NY	Waterville Gas & Electric Company	1922	
1924	Wellsville	NY	Village of Wellsville	1961	
1902	Ada	OH	Ada Water, Light & Heat Co	1920	Hot water
1927	Akron	OH	Akron Steam Heating Company		Operated by Akron Energy Systems
1902	Altoona	OH	Citizens Electric Light, Heat, & Power Co.	1947	
1937	Bluffton	OH	Village of Bluffton	1945	
1901	Bowling Green	OH	Bowling Green Electric Light & Power	1920	Yaryan hot water system
1907	Canton	OH	Canton Electric Company	1975	
1900	Cleveland (1)	OH	Cleveland Electric Railway Company		Owned by Corix Cleveland Thermal
1932	Cleveland (2)	OH	Medical Center Company		Medical Center Company
1901	Columbus	OH	Indianola Land & Power Company	1905	Yaryan hot water system
1901	Coshocton	OH	Merchants Electric Light & Power Company	1928	Schott hot water system
1907	Dayton	OH	Dayton Citizens Electric Company	1997	
1900	Delaware	OH	Gwynne Central Station Heating Company	1957	Yaryan hot water system
1902	Findlay	OH	Findlay Street Railway Co,	1920	Yaryan hot water system
1902	Fremont	OH	Fremont Yaryan Co.	1936	Yaryan hot water system
1901	Leipsic	OH	Leipsic Light, Heat & Power	1920	
1902	Lima	OH	Ohio Power Co.	1955	
1925	Mariemont	OH	The Mariemont Company	1954	
1902	New Philadelphia	OH	Ohio Service Co.	1952	
1905	Oberlin	OH	Oberlin Gas & Electric Co	1923	
1903	Piqua (1)	OH	Miami Light, Heat & Power Company	1928	Evans-Almirall Hot Water System
1943	Piqua (2)	OH	City of Piqua	2006	Converted to hot water in 1983
1898	Springfield	OH	Springfield Light, Heat & Power Co	1980	
1897	Tiffin	OH	Tiffin Edison Illuminating Company	1916	
1894	Toledo	OH	Central Chandelier Co.	1985	Yaryan hot water system
1901	Van Wert	OH	Public Service Company of Van Wert	1917	
1901	Washington Court House	OH	Washington-Smead Hot Water Company	1950	Smead hot water system
1900	Youngstown	OH	Youngstown Steam Heating Company		SOBE Thermal Energy Systems, LLC.
1970	Oklahoma City	OK	Thermal Systems, Inc. (Oklahoma Natural Gas)		Owned by Vicinity Energy
1970	Tulsa	OK	Thermal Systems, Inc. (Oklahoma Natural Gas)		Owned by Vicinity Energy
1910	Eugene	OR	Eugene Heating Company	2012	
1919	Klamath Falls (1)	OR	Klamath Heating Co	1970	
1991	Klamath Falls (2)	OR	City of Klamath Falls		Geothermal hot water
1905	McMinnville	OR	Central Heating Co.	1920	

Alphabetical List of Commercial District Heating Companies by State

Year	City	State	Owner	Shut Down	Notes
1910	Portland (1)	OR	Portland Central Heating Company	1920	Hot water
1914	Portland (2)	OR	Northwestern Electric Company	1986	
1888	Allentown	PA	Allentown Steam Heating & Power Company	1968	
1927	Bala Cynwyd	PA	Bala Steam Heat Company	1948	
1902	Bangor	PA	Bangor Electric Light, Heat & Power Co.	1968	
1883	Bellefonte	PA	Bellefonte Gas and Steam Heating Company	1916	
1887	Bloomsburg	PA	Bloomsburg Heating Company	1968	
1889	Chester	PA	Chester Steam Heating and Power Company	1900	Exhaust steam
1883	Clearfield	PA	Clearfield Steam Heating Company	1956	
1927	Drexel Park	PA	Aronimink Park Heating Co	1948	
1902	Easton	PA	Peoples Steam Heat & Power Co	1967	
1898	Erie	PA	Home Heating Company	1991	Building now houses the Erie Maritime Museum
1896	Greenville	PA	Peoples Electric Light, Heat & Power Company	1921	
1912	Hanover	PA	Central Heating Company	1968	
1886	Harrisburg	PA	Harrisburg Light & Power Company		Now owned by Clearway Thermal
1887	Hazleton	PA	Hazleton Steam Heating Company	1920	
1900	Johnstown	PA	Johnstown Steam Heat Company	1969	
1888	Lebanon	PA	Lebanon Steam Company	1966	
1884	Lock Haven	PA	Lock Haven Illuminating, Heating and Power Company	1916	
1929	Lower Merion Twp	PA	Lewis Jones Inc	1972	
1897	Mahanoy City	PA	Anthracite Light, Heat & Power Company	1930	
1901	Montrose	PA	Montrose Electric Light, Heat and Power Co.	1915	
1899	Mt. Pleasant	PA	People's Heating Co	1915	
1902	Norristown	PA	Norristown Light & Steam Heat Company	1920	
1893	Overbrook	PA	Overbrook Steam Heat Company	1973	
1895	Germantown	PA	Germantown Steam Heat Company	1963	
1889	Philadelphia	PA	Edison Electric Light Company of Philadelphia		Now owned by Vicinity Energy
1883	Philipsburg	PA	Philipsburg Steam Heating Company	1957	
1907	Pittsburgh (1)	PA	Bellefield Boiler Plant		Bellefield Boiler Plant
1915	Pittsburgh (2)	PA	Allegheny County Steam Heating Company		Pittsburgh Allegheny County Thermal
1966	Pittsburgh (3)	PA	Equitable Gas - Energy Company		Owned by Clearway Thermal
1888	Pottsville	PA	Pottsville Steam Heat & Power Company	1972	
1887	Reading	PA	Reading Steam Heat and Power Company	1968	
1901	Renovo	PA	Renovo Edison Light, Heat and Power Co	1970	
1894	Scranton	PA	Economy Steam Heat Company	2006	
1892	Shenandoah	PA	Shenandoah Heat & Power Company	1919	Exhaust steam
1906	Spring Grove	PA	P. H. Glatfelter Co	1949	
1927	Springfield Township	PA	Springfield Steam Company	1936	
1913	State College	PA	Poe Steam Company	1918	
1896	Towanda	PA	Towanda Electric Illuminating Company	1963	Exhaust steam
1886	Tyrone	PA	Home Electric Light and Steam Heating Company	1946	
1910	Vandergrift	PA	Vandergrift Land & Improvement Co.	1925	
1900	Washington	PA	Washington Steam Heating Co	1920	
1913	Wayne	PA	Wayne Steam Heat Company	1949	
1902	West Chester	PA	Edison Electric Illuminating Co. of West Chester	1973	Exhaust steam
1886	Wilkes-Barre	PA	Pennsylvania Power & Light	1990	
1899	Wilkesburg	PA	Pennsylvania Heat & Power Co.	1915	
1884	Williamsport	PA	Williamsport Steam Company	1917	
1908	Windber	PA	Windber Heating Co	1962	
1927	Wynnefield	PA	Wynnefield Steam Heat Company	1948	
1928	Yeadon	PA	Longacre Park Heating Company	1972	
1898	York	PA	York Steam Heating Company	1977	Exhaust steam
1899	Pawtucket	RI	Pawtucket Electric Co	1920	
1914	Redfield	SC	City of Redfield	1970	
1902	Brookings	SD	City of Brookings	1985	
1930	Huron	SD	Central Heating Company	1965	
1921	Miller	SD	City of Miller	1950	
1905	Mobridge	SD	Mobridge Light, Heat & Power Co	1980	
1981	Philip	SC	Philip Geothermal Corporation		Geothermal hot water
1921	Watertown	SD	Watertown Central Heating Co	1991	
1974	Nashville	TN	Nashville Thermal Transfer		Metro Nashville District Energy System
1910	Bellville	TX	City of Bellville	1920	
1900	Cleburn	TX	Cleburn Electric Light Co	1920	
1969	Houston (1)	TX	Houston Natural Gas		Thermal Energy Corporation
1999	Houston (2)	TX	Union Station District Energy Plant		Enwave

Alphabetical List of Commercial District Heating Companies by State

Year	City	State	Owner	Shut Down	Notes
1864	Nassau Bay	TX	Houston Natural Gas	1990	
1900	Waxahachie	TX	Waxahachie Electric Light Co	1910	
1886	Provo	UT	City of Provo	1990	
1888	Salt Lake City	UT	Salt Lake Power, Light and Heating Company	1996	Heating plant sold to LDS Church.
1906	Clifton Forge	VA	Clifton Forge Public Service Co	1917	
2014	Montpelier	VT	City of Montpelier State of Vermont		Hot water
1946	Olympia	WA	Olympia Steam Heating Company	1963	
1890	Seattle	WA	Seattle Electric Company		Owned by Enwave
1916	Spokane	WA	Merchants Central Heating Company	1986	Old plant now a restaurant.
1891	Tacoma	WA	Syndicate Heat & Power	1979	
1910	Yakima	WA	Yakima Central Heating Co	1969	
1904	Beaver Dam	WI	Beaver Dam Light & Power Co.	1950	
1909	Burlington	WI	Burlington Heating Company	1936	
1915	Hartford	WI	City of Hartford	1925	
1919	Hudson	WI	Willow River Power Company	1963	Exhaust steam
1900	Janesville	WI	Janesville Electric Co.	1912	Hot water
1899	Kenosha	WI	Kenosha Gas & Electric Company	1920	Yaryan hot water system
1898	La Crosse	WI	La Crosse Gas & Electric Company	1969	Yaryan hot water system
1910	Lake Mills	WI	City of Lake Mills	1950	
1945	Manitowoc	WI	City of Manitowoc		Manitowoc Public Utilities
1899	Marinette	WI	Marinette Electric Light & Street Railway Co	1915	
1879	Milwaukee (1)	WI	Milwaukee Steam Supply Company	1881	
1906	Milwaukee (2)	WI	Central Heating Company		Owned by WE Energies
1905	Mineral Point	WI	Mineral Point Electric Light Co	1925	
1898	Portage	WI	Portage Electric Light Company	1951	Yaryan hot water system
1950	Rice Lake	WI	Rice Lake Steam Corporation	1989	
1908	Sturgeon Bay	WI	City of Sturgeon Bay	1935	
1915	Waterloo	WI	City of Waterloo	1992	
1907	Waukesha	WI	Waukesha Gas & Electric	1963	
1907	West Bend	WI	West Bend Heating & Lighting Co	1938	
1914	Casper	WY	Natrona Power Company	1955	
1904	Cheyenne	WY	Cheyenne Light, Fuel & Power Co.	1979	
1908	Evanston	WY	Evanston Electric Light Company	1922	
1911	Laramie	WY	Laramie Electric Company	1940	

Hot Water District Heating

Although steam was by far the most popular type of district heating service, William E. Prall built a high-temperature hot water demonstration plant at 256 West 125th street in New York city, where his Prall Union Heating Company hosted a meal for the American Society of Civil Engineers on November 11, 1880 with food was cooked using 400°F/204°C superheated water. Prall was unable to gain financial backing until Theodore N. Vail formed the National Heating Company and built plants in Washington, D. C. and Boston. Companies were also formed in several other cities. The Boston plant operated from January 1888 to November 1889 before shutting down due to corrosion in the return water lines to the plant.

Between 1894 and 1910, sixty-one low-temperature (< 212°F/100°C) hot water systems were built, with most using exhaust heat from electric light plants. The most widespread was the Yaryan system, developed by Homer T. Yaryan. Others were designed and installed by Evans Almirall & Co. (Quimby N. Evans and Juan A. Almirall), Isaac D. Smead, and William E. Schott. A few of these systems remained in service for over 50 years, with the last one in Perry, Iowa shutting down in June 1981 after supplying heat for 81 years. Several early hot water systems had short operating lives, and a few were converted to steam, usually when a system was sold to a new owner who was more familiar with steam. Substantial information has been found for many of these systems, which share many operating characteristics with modern European hot water designs but relied on crude piping materials. The inability to meter hot water energy consumption was a major drawback to wider use of these systems, and customer charges were based on the square feet of installed radiation in each building. A list of these systems is shown on the attached list.

Ten commercial geothermal district heating systems have been built, starting with the first in Boise in 1892. Most of these are direct-use system, but the latest one, in West Union, Iowa, distributes water at 55°F/12.8°C, with heat pumps in each customer building used for space heating and cooling. These systems are designed on the attached list with a “G” followed by the chronological sequence in the HW column.

High-temperature hot water systems were widely used in military and institutional systems after the second world war, but only five recent commercial systems have used this technology, a 1964 Texas system, two in Los Angeles built in 1966, one on Long Island in 1972, and another built in Trenton in 1983. These systems are designed on the attached list with an “H” followed by the chronological sequence in the HW column.

European pre-insulated piping systems designed to meet EN-253 have been used in several district heating systems, including nine commercial networks. Four of these converted existing steam distribution piping to hot water and the remaining five were new systems. Three of these nine systems have been abandoned. These are designed on the attached list with an “E” followed by the chronological sequence in the HW column.

The hot water systems listed in the table on the following pages are sorted by the four types of hot water systems described above.

Commercial Hot Water District Heating Systems in the United States

HW	Year	City	State	Owner	Shut Down	Notes
1	1894	Toledo	OH	Central Chandelier Co.	1965	Yaryan hot water system
2	1897	La Porte	IN	La Porte Electric Company	1952	Yaryan hot water system
3	1898	Missouri Valley	IA	Missouri Valley Electric Company	1929	Yaryan hot water; converted to steam around 1929
4	1898	Mattoon	IL	Mattoon Heat, Light and Power Company	1935	Yaryan hot water system
5	1898	La Crosse	WI	La Crosse Gas & Electric Company	1969	Yaryan hot water system
6	1898	Portage	WI	Portage Electric Light Company	1951	Yaryan hot water system
7	1899	Boone	IA	Boone Heating Company	1962	Yaryan hot water system
8	1899	Ida Grove	IA	Ida Grove Electric Company	1966	Yaryan hot water system
9	1899	Iowa Falls	IA	Iowa Falls Electric Light & Power Co.	1963	Yaryan hot water system
10	1899	Mason City	IA	Brice Gas and Electric Company	1970	Yaryan hot water system
11	1899	Perry	IA	Iowa Electric Light & Power	1981	Yaryan hot water system
12	1899	Red Oak	IA	Red Oak Electric Light Company	1954	Evans-Almirall hot water system
13	1899	Alton	IL	Alton Gas & Electric Company	1918	Yaryan hot water system
14	1899	Jerseyville	IL	Jerseyville Light, Heat & Power Co	1912	Yaryan hot water; converted to steam around 1912
15	1899	Waukegan	IL	Waukegan Electric Co.	1924	Hot water
16	1899	Terre Haute	IL	Terre Haute Traction & Light Company	1947	Hot water discontinued 1947
17	1899	Kenosha	WI	Kenosha Gas & Electric Company	1920	Yaryan hot water system
18	1900	Carroll	IA	Carroll Electric Light & Power Co.	1973	Exhaust steam initially, replaced by hot water in 1900
19	1900	Cresco	IA	Cresco Light, Heat & Power	1912	Hot water
20	1900	Bloomington	IL	A. E. Demange	1923	Hot water discontinued in 1923
21	1900	Evanston	IL	Evanston Yaryan Co.	1949	Yaryan hot water system
22	1900	Paxton	IL	Paxton Electric Company	1912	Hot water initially, converted to steam after 1912.
23	1900	Owatonna	MN	Owatonna Electric Light & Heating Co.	1925	Yaryan hot water; converted to steam in 1925 after city bought the system.
24	1900	Delaware	OH	Gwynne Central Station Heating Company	1957	Yaryan hot water system
25	1900	Janesville	WI	Janesville Electric Co.	1912	Hot water
26	1901	Bowling Green	IL	Bowling Green Electric Light & Power Co	1916	Hot water
27	1901	Bedford	IN	Bedford Light, Heat & Power Co.	1921	Hot water
28	1901	Bloomington	IN	Central Indiana Lighting Co.	1920	Hot water
29	1901	Boonville	IN	Boonville Electric Light & Power Co.	1941	Hot water
30	1901	Marion	IN	Marion Lighting & Heating Co.	1957	Hot water
31	1901	Noblesville	IN	Noblesville, Heat, Light & Power Co.	1939	Hot water
32	1901	Princeton	IN	Princeton Light & Power	1924	Yaryan hot water
33	1901	Sullivan	IN	Sullivan Heat, Light & Power Co	1908	Hot water
34	1901	Albert Lea	MN	Albert Lea Electric Co	1922	Evans-Almirall hot water; converted to steam in 1922
35	1901	Bowling Green	OH	Bowling Green Electric Light & Power	1920	Yaryan hot water system
36	1901	Columbus	OH	Columbus OH Indianola Land & Power Company	1905	Yaryan hot water system
37	1901	Coshocton	OH	Merchants Electric Light & Power Company	1928	Schott hot water system
38	1901	Washington Court House	OH	Washington-Smead Hot Water Company	1950	Smead hot water system
39	1902	Des Moines	IA	Iowa Light, Heat & Power Co.	1905	Hot water added in 1902
40	1902	Belvidere	IL	Belvidere IL Belvidere Gas & Electric	1920	Initially Yaryan hot water, converted to steam in 1920
41	1902	Connersville	IN	Light Heat & Power Co.	1920	Hot water
42	1902	Elwood	IN	Elwood Electric Light Co.	1935	Hot water
43	1902	Fowler	IN	Fowler Utilities Co.	1920	Hot water
44	1902	Indianapolis	IN	Home Heating and Lighting Company	1929	Yaryan hot water system; converted to steam in 1929.
45	1902	Lafayette	IN	Merchants Heating and Lighting Company	1947	Schott hot water system
46	1902	New Castle	IN	New Castle Light, Heat & Power Co.	1926	Hot water
47	1902	Peru	IN	Peru Heating Co.	1934	Hot water
48	1902	Atlantic City (1)	NJ	New Jersey Hot Water Heating Co.	1960	Hot water
49	1902	Ada	OH	Ada Water, Light & Heat Co	1920	Hot water
50	1902	Findlay	OH	Findlay Street Railway Co,	1920	Yaryan hot water system
51	1902	Fremont	OH	Fremont Yaryan Co.	1936	Yaryan hot water system
52	1903	Mt. Vernon	IL	Mt. Vernon IL Citizens Gas, Electric & Heating	1921	Schott hot water system
53	1903	Piqua (1)	OH	Miami Light, Heat & Power Company	1928	Evans-Almirall Hot Water System
54	1904	Little Rock	AR	Little Rock AR Little Rock Heating Company	1914	Schott hot water, converted to steam in 1914
55	1905	Kirksville	MO	Missouri Heat Light & Power	1965	Hot water
55	1906	Mt. Carmel	IL	Mt. Carmel IL New Electric Company	1920	Hot water
57	1906	Frankfort	IN	The Frankfort Heating Co.	1920	Hot water
58	1907	Billings	MT	Billings Mutual Heating Company	1939	Hot water
59	1909	Crawfordsville	IN	Crawfordsville Heating Company	1933	Hot water
60	1910	Logansport	IN	Logansport Heat & Power Co	1922	Hot water
61	1910	Portland (1)	OR	Portland Central Heating Company	1920	Hot water

Commercial Hot Water District Heating Systems in the United States

HW	Year	City	State	Owner	Shut Down	Notes
G1	1892	Boise (1)	ID	Artesian Hot and Cold Water Company		Geothermal hot water
G2	1891	Philip	SD	Philip Geothermal Corporation		Geothermal hot water
G3	1982	Susanville	CA	City of Susanville		Geothermal hot water
G4	1982	Pagosa Springs	CO	City of Pagosa Springs		Geothermal hot water
G5	1982	Elko	NV	Elko Heat Company		Geothermal hot water
G6	1983	Boise (2)	ID	City of Boise Geothermal		Geothermal hot water
G7	1983	Saint Paul (2)	MN	Saint Paul Energy Park Utility Company		Geothermal hot water with heat pump
G8	1984	San Bernadino	CA	City of San Bernadino		Geothermal hot water
G9	1991	Klamath Falls (2)	OR	City of Klamath Falls		Geothermal hot water
G10	2013	West Union	IA	City of West Union West Union District Energy LLC		Geothermal hot water with heat pumps in each building
H1	1886	Washington	DC	Washington Heat & Power Co.	1889	Prall high-temperature hot water system
H2	1888	Boston	MA	Boston Heating Company	1889	Prall high-temperature hot water system
H3	1964	Nassau Bay	TX	Houston Natural Gas	1990	
H4	1966	Los Angeles Century City	CA	Central Plants, Inc		Enwave
H5	1966	Los Angeles Bunker Hill	CA	Central Plants, Inc		Enwave
H6	1972	Hempstead	NY	Nassau Energy Corporation		
H7	1983	Trenton	NJ	Cogeneration Development Corporation		Owned by Vicinity Energy
E1	1982	Willmar	MN	City of Willmar	2020	Converted to hot water in 1982
E2	1983	Saint Paul (1)	MN	District Energy St. Paul		Converted to hot water in 1983
E3	1983	Piqua	OH	City of Piqua	2006	Converted to hot water in 1983
E4	1984	Jamestown	NY	City of Jamestown		
E5	1986	Provo	UT	City of Provo	1990	
E6	1987	Buffalo	NY	City of Buffalo		
E7	1988	Hartford	CT	State of Connecticut		Capitol Area System District Heating and Cooling Loop
E8	2014	Montpelier	VT	City of Montpelier State of Vermont		
E9	2020	Duluth (2)	MN	Duluth Steam Cooperative		Being converted to hot water