

CENTRAL STATION HEATING PLANTS USING HOT WATER.

No.	Date of Installation	System	Temperature Hot Water	Temperature Return Water	Max. Distance Water Carried, Feet	Length of Pipe, Feet	Area of City Served, Sq. Mi.	No. Buildings Served	Radiation Served, Sq. Ft.	Present Rates, Sq. Ft. Rad. Surface	Former Rates, Sq. Ft. Rad. Surface	Price of Coal	Kind of Coal	Payment to City	Length of Service	Is Financial Return Satisfactory	Cost of Plant
1	1899	Yaryan	140-215	106-171	4,000	52,000		500		18	13.5	\$2.00	Steam			Especially not last year	400,000
2	1901					50,200	1.	460	289,000	17		2.00		5% gross	All year	No	300,000
3	1892	Natural	170	Wastes	15,000	31,000		60		{ \$75 for 1/8 in. waste, to \$90 for 3/4 in. }	May raise	None				Fairly so	
4						31,000		165		12.5-20		2.00				Yes	
5	1900	Yaryan	150-210	130-185	6,600	30,000		120		20	13.3	{ 2.05-2.15 } { 2.45-2.60 }	Screenings } Washed nut }	None	Sept. 15 to May 15	No	180,000
6	1903	Myers	200-180	180	4,000	26,000		200		20		1.40	Steam			Yes	
7						26,000		75		18		1.10				Yes	
8	1900	Yaryan	170-200	152-172	5,000	21,000		75	70,000	18 stores, 20 res.	12.5 and 15 as coal	1.65	Bituminous			Yes	
9			140-200	115-180		21,000		100		Costs same		3.50-4.00		None		Yes	
10						20,000		100		15		1.30				Yes	
11	1897	Yaryan	100-212	60-152	5,293	18,000		185	102,000	17	15 and less	{ 1.30 } { 2.20 }	Slack and Hocking Sl. }			Yes	
12					6,600	18,000		400		16.7	12 and 14	{ 1.55 } { 2.23 }	Slack and Jackson pea }	None	8 months	Yes	266,000
13	1902	Schott	120-200	110-185	5,000	15,000		115	80,000	17		2.25	Indiana M. R.			Yes	3 plants
14						15,000		78		15		2.15				Not 1st year	
15	1899	Yaryan	160-200	130-170	5,000	10,000	0.25	120	100,000	18		1.80-2.00	Steam & M. R.			Yes	
16	1899	Yaryan	150	125	2,000	10,000		125	88,000	20		1.64	Steam			No	
17	1899	Yaryan	140-212	120-192	3,500	9,000		28	55,000	20		2.88-2.12	M. R. and Sl.	None		Fairly	
18	1900	E.A. & Co			5,000	8,000		28	25,000	17.5		3.20	Illinois M. R.			Yes	
19							12 blks.	20		20		2.50	Steam		All year	Partially	
20	1903	Schott	200	180	5,000	5,000		20	18,000	15		2.30-3.00	Nut and Slack			Yes	
21						5,000		100		15		1.50				No, on acc.	of leakage
22	1900							100		17 and 20	12.5 to 20			Cy bldgs.	Sept-May	Yes	
23						1,200		100		18 and 20	1.85					No	
24								6		16.7		1.875	Mine run	3c. per ft	When need.	Probably	2 plants
25								3.5		15		1.85	Slack	2% gross	Sept.-June	Yes	
26	1901	Yaryan						1		15		2.00			Sept.-June		
27	1903							0.5		15		1.15		None	9 months		
28	1900							0.5		15		2.33		None	When need.	Not in 1903-4	
29	1899	E.A. & Co	180	170	3,500	7,000	0.047		29,000	20		2.25		None	Oct. 1-May 1	Yes	10,000
30	1900	Yaryan	180	150	4,000				25,000	15	12.5	{ 1.00 } { 1.45 }	Screenings } Mine run }			Yes	
31	1900	Yaryan			5,000				86,000	20		2.15	Washed scr.			Yes	
32	1901	E.A. & Co	140 to 210	125 to 190	400			2	4,000	20		3.50	Bituminous			No	
33	1899	Yaryan	130-200	120-150	8,000			76	68,000	{ 20, says it sh'd be 25 }	15	2.60	Indiana M. R.			No	
34	1899	Yaryan	150-210	110-175	8,000				70,000	18							
35			180	168						15						No	
36	1898	E.A. & Co	160-200	150-170	8,000				5,000	12.5							
37		Yaryan								17				2% gross	Sept. 15-May		
38										18						Yes	

No.	Date of Installation.	Pres. of steam, lbs. per sq. in.	Max. dist. heat is carried, ft.	Length of pipe, ft.	Area of city served, sq. mi.	No. bldgs. served.	Radiation served, sq. ft. or cu. ft. of space.	Rates per sq. ft. radiating surface.	Rates per 1,000 lbs. condenser water.	Rates per 1,000 cu. ft. space heated.	Price of coal.	Kind of coal.	Payment to city.	Length of service.	Is financial return satisfactory?	Independent or not.
1	1894	50	5,000	84,000	65	700	500,000	20-30		\$4 00	\$1.50	Steam.....	None. Franchise tax on \$18,000	Sept. 15-June 1	Fairly so.	Ind.
2	1876			34,000					\$0.50 s		2.00-3.00	Bitum.....		Oct. 1 to May 15		
3	1880	40	8,000	29,000		165		60-90			1.20	Lignite sl.			No.	Ind.
4	1886	10-40	2,600	26,000		350	16,000,000			4.62-6.16	1.80	Buck No. 1..			Yes.	Ind.
5	1900	5-7	2,800	26,000		225	100,000	10 to 30			1.25	Bitum.....			Yes.	E. L.
6	1903	15-25	4,000	26,000				35			1.40	Steam.....			Yes.	Ind.
7	1883	45	8,000	21,000		250					2.05	Bitum.....			No.	Ind.
8		8	4,000	21,000		213	73,000		0.45 w		1.10	Bitum. sl.				Ice.
9	1887	20	8,000	20,000		265	9,000,000				3.00	Bitum.....			Fairly.	Ind.
10	1890	2	2,700	16,000		250	125,000	50-30			2.00	Lignite			Fairly.	E. L.
11	1901	1-10	3,600	13,000		74	55,000				1.35	Bitum.....				E. L.
12	1896	5-15	4,300	13,000		350	150,000			2.50-6.00	1.00	Nat. gas....				
13	1892	15	4,500	10,000		167	120,000		0.47 w		2.-2.25	Steam.....			Yes.	E. L.
14	1888	20-35	7,500	10,000		200	4,500,000	36		\$4.87	1.50	Buck.....		Oct. 1-June 1	Fairly.	Ind.
15	1888	10	4,000	10,000		140	5,000,000			4.00	3.00	Bitum.....			Yes.	Ind.
16	1883	40	2,500	10,000		150	65,000	20			1.40	Bitum.....			No.	Ind.
17	1901	6	2,042	9,567		60	4,500,000		50-60 pr 100 gal. w		3.75	Pocahontas..			Yes.	E. L.
18	1897	7-12	7,300	8,000		200				3.50	1.60	Slack.....			Yes.	E. L.
19	1889	5-20	1,760	5,000		80	2,000,000			3.00	1.50	Rice & Buck			No.	E. L.
20	1897	5-10	5,000	5,000		65				2.50-3.50	1.15-2	{ Slack, nut } { and lump. }			No.	E. L.
21	1900	2-8	4,500			75	10,000,000				1.75	Mine run			Yes.	Ind.
22	1901	1-5	3,000			32	20,000	25			75-1.75	Bitum.....			Fairly.	E. L.
23	1899	1-6	1,500	2,000			12,000	25-30			2.75	Bitum.....			No.	E. L.
24	1901	1-5	3,500			14	5,049,607		0.40 w		1.50	Lignite.....			{ Yes with exhaust steam. }	E. L.
25	1895	1-5	1,000				25,000	35			2.10	Screenings			Yes.	E. L.
26	1899	5	1,000			35					5.50	Yough. ser			Yes.	Ind.
27					3.5				0.40 w		1.50			Sept. 1-June 1	Yes.	
28					1						2.00	Buck.....	None. None. None.	Oct. 1-June 1	No. div.	
29					0.5			25			1.15			9 months	Yes.	
30					10 or 12 blks.						1.00	Slack.....	City bldg.	All year.		
31		35		21,000		500				4.66	2.30					Ind.
32		5-20		15,800		300					2.70				Yes.	Ind.
33		2.5-15		12,000		350				6.00	1.25				Yes.	Dep.
34		5-28		11,500		330				4.95	3.58				Yes.	Ind.
35		1-6		10,000		275		27	0.50 w		1.30				Yes.	Dep.
36		5		7,790		150		25-30	0.60 w		1.60				Yes.	Dep.
37		15-20		7,000		82			0.60 w		1.25				Yes.	Ind.
38		2-6		5,900		130		30	0.60 w		2.50				Yes.	Dep.
39		4-8		4,930		53			0.50 w		4.00				Yes.	Ind.
40		50		4,500		600		30			1.10				Yes.	Ind.
41		3-5		3,000		28		25			1.50				Yes.	Dep.
42		5		3,000		35			0.50 w		1.75	Wood per cord			Yes.	Dep.