

APPROXIMATE COST OF INSTALLING A CIVIC ELECTRIC ARC PLANT TO LIGHT THE
CITY STREETS, 500 ARC LIGHTS.

STEAM PLANT—

One (1) 500 Horse Power Tandem Compound Condensing Engine and Condensor, erected and connected ready for operation	5,000 00	
Three 212 Horse Power Boilers erected and connected ready for operation	11,550 00	
One Boiler Feed Pump	300 00	
Contingencies	2,000 00	
		<u>\$18,850 00</u>

ELECTRIC PLANT—

Five (5) Self Regulating Series Arc Lighting Dynamos, 125, 2000 C. P. lights capacity, at \$2,750 00	13,750 00	
One (1) Ten Circuit Switchboard, complete	300 00	
500 Double Carbon Arc Lamps, with globes, at \$25.00	12,500 00	
500 Lamp Hangers, at \$5.00	2,500 00	
50 miles of line No. 6 B. & S. Weatherproof Wire, at 16 cts. per lb	4,000 00	
1,750 Cedar Poles, with one cross arm, at \$3.60	5,250 00	
Setting same at \$1.00	1,750 00	
Insulators and Pins	150 00	
Erecting Wire, \$10.00 per mile	500 00	
		<u>40,700 00</u>

BUILDING, ETC.—

Building and chimney	30,000 00	
Belting	830 00	
Pulleys	250 00	
Shafting, etc.	500 00	
Publishing By-law and incidental expenses	1,000 00	
Contingencies	5,000 00	
		<u>37,580 00</u>
Total		<u>\$97,130 00</u>

ANNUAL COST OF OPERATING CIVIC ELECTRIC ARC LIGHTING PLANT OF 500 LIGHTS
CAPACITY.

Coal, 17,083 lbs. per night or 3,117 tons per annum at \$2.00 per ton	6,234 00	
Carbons, 500 pair per night at 1½¢ per pair	2,737 00	
Oil and Waste	300 00	
LABOR.—1 Supt. and Electrician	7,800 00	
1 Chief Engineer	900 00	
1 Assist. "	700 00	
1 Fireman	600 00	
1 Dynamo Tender	600 00	
1 Lamp repairer and tester	600 00	
3 Trimmers at \$500	1,500 00	
2 Linemen at \$500	1,000 00	
1 Patrolman	500 00	
1 Laborer	450 00	
Keep of 4 horses	500 00	
Office expenses stationery, etc	600 00	
Depreciation 5% on \$97,130.00	4,856 50	
Interest on \$97,130.00 at 3½%	3,399 55	
		<u>\$27,277 05</u>