

Report on New Water Supply.

ESTIMATE No. 1.

Supply from Red River.

Water Softened and Filtered.

Water pumped from Red River at St. Norbert to settling basins, then filtered and softened and pumped with low duty pumps to a filtered-water reservoir at the McPhillips Street station in Winnipeg, and thence pumped into the street mains with high duty pumping engines. Four 48-inch steel pipe lines, one line to be laid with each new installation of 12,000,000 gallons average daily capacity.

COST OF CONSTRUCTION.

Items	For an Average Daily Supply of			
	12,000,000 gallons	24,000,000 gallons	36,000,000 gallons	48,000,000 gallons
Land				
Intake	\$10,000	\$10,000	\$10,000	\$10,000
Low lift pumping station at St. Norbert	50,000	50,000	50,000	50,000
Settling basins	75,000	95,000	155,000	200,000
Coagulating basins	360,000	360,000	720,000	720,000
Filters	18,000	18,000	36,000	36,000
Intermediate low lift pumping station	275,000	550,000	825,000	1,100,000
Pipe lines	75,000	95,000	155,000	200,000
Pure water reservoir	562,000	1,094,000	1,658,000	2,188,000
Pumping station in Winnipeg at the McPhillips Street location	90,000	90,000	180,000	270,000
	370,000	645,000	920,000	1,290,000
15 %	1,885,000	3,007,000	4,707,000	5,974,000
	283,000	451,000	708,000	896,000
Totals	2,168,000	3,458,000	5,413,000	6,870,000

ANNUAL COST OF OPERATION AND MAINTENANCE.

Items	For an Average Daily Supply of			
	12,000,000 gallons	24,000,000 gallons	36,000,000 gallons	48,000,000 gallons
Interest	\$ 98,000	\$156,000	\$244,000	\$309,000
Depreciation	18,000	32,000	49,000	68,000
Maintenance of pipes, etc.	1,000	1,000	2,000	2,000
Pumping, low lift	14,000	28,000	42,000	56,000
Pumping, intermediate	11,000	21,000	32,000	42,000
Filtering	44,000	88,000	131,000	175,000
Softening	123,000	245,000	368,000	491,000
High duty pumping	50,000	100,000	150,000	200,000
Totals	\$359,000	\$671,000	\$1,018,000	\$1,343,000