

Proposed Renewable Natural Gas Citywide Strategy Financials (City Only)

Annual Bulk Purchase of NG Estimated in 2019				Total	
50,000,000.00	m3	NG at	\$ 0.2267	\$ 11,335,000.00	
Proposed Bulk Purchase of NG / RNG					
Dufferin					
46,620,000.00	m3	NG at	\$ 0.2267	\$ 10,568,754.00	
3,380,000.00	m3	RNG at	\$ 0.8400	\$ 2,839,200.00	
				\$ 13,407,954.00	
Socialized Cost across the City to achieve 6.76% NG/RNG Blend					
		Total cost:		\$ 13,407,954.00	
		Total volume:		50,000,000.00	m3
		Blend (RNG / CNG)	6.76%	\$ 0.2682	/m3
		Proposed Incremental cost:		\$ 0.0415	/m3

Disco Rd. (2022)					
42,011,000.00	m3	NG at	\$ 0.2267	\$ 9,523,893.70	
3,380,000.00	m3	RNG at	\$ 0.8400	\$ 2,839,200.00	
<i>plus</i> 4,609,000.00	m3	RNG at	\$ 0.8400	\$ 3,871,560.00	

Socialized Cost across the City to achieve 15.98% NG/RNG Blend					
		Total cost:		\$ 16,234,653.70	
		Total volume:		50,000,000.00	m3
		Blend (RNG / CNG)	15.98%	\$ 0.3247	/m3
		Proposed Incremental cost:		\$ 0.0980	/m3

GHG Reduction (annually) - Closing the Carbon loop at OPF

Dufferin Facility	9,356.00	tCO2e / yr.
Disco Road Facility	12,759.00	tCO2e / yr.
GHG reduction by using 3.07% RNG/CNG Blend	6,491.66	tCO2e / yr.
GHG reduction by using 7.26% RNG/CNG Blend	15,355.59	tCO2e / yr.

Source: FortisBC <https://www.fortisbc.com/services/sustainable-energy-options/renewable-natural-gas/public-sector-organizations-reducing-ghg-emissions-with-rng>

Proposed Renewable Natural Gas Citywide Strategy Financials

Annual Bulk Purchase of NG Estimated in 2019 Total

110,000,000.00	m3	NG at	\$ 0.2267	\$24,937,000.00
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Proposed Bulk Purchase of NG / RNG

Dufferin

106,620,000.00	m3	NG at	\$ 0.2267	\$24,170,754.00
3,380,000.00	m3	RNG at	\$ 0.8400	\$ 2,839,200.00
				\$27,009,954.00

Socialized Cost across the City to achieve 3.07% NG/RNG Blend

Total cost:		\$27,009,954.00	
Total volume:		110,000,000.00	m3
Blend (RNG / CNG)	3.07%	\$ 0.2455	/m3
Proposed Incremental cost:		\$ 0.0188	/m3

Disco Rd. (2022)

102,011,000.00	m3	NG at	\$ 0.2267	\$23,125,893.70
3,380,000.00	m3	RNG at	\$ 0.8400	\$ 2,839,200.00
<i>plus</i> 4,609,000.00	m3	RNG at	\$ 0.8400	\$ 3,871,560.00

Socialized Cost across the City to achieve 7.26% NG/RNG Blend

Total cost:		\$29,836,653.70	
Total volume:		110,000,000.00	m3
Blend (RNG / CNG)	7.26%	\$ 0.2712	/m3
Proposed Incremental cost:		\$ 0.0445	/m3

GHG Reduction (annually) - Closing the Carbon loop at OPF

Dufferin Facility	9,356.00	tCO2e / yr.
Disco Road Facility	12,759.00	tCO2e / yr.
GHG reduction by using 3.07% RNG/CNG Blend	6,491.66	tCO2e / yr.
GHG reduction by using 7.26% RNG/CNG Blend	15,344.59	tCO2e / yr.

Source: FortisBC <https://www.fortisbc.com/services/sustainable-energy-options/renewable-natural-gas/public-sector-organizations-reducing-ghg-emissions-with-rng>