



**Table A-4: Total Estimated Abandonment Costs (2016 C\$)**

(September 30, 2016)

#	Category & Sub-Category	Method		Pipeline Features	Average Cost	Cost by Category
1	<b>Engineering &amp; Project Management</b>	A	R	Entire System	4.3%	\$15,800,000
2	<b>Abandonment Preparation</b>			2,302 km	7.5%	\$27,280,000
	a. Land Access and Clean-Up	A	R	2,302 km	\$3,640/km	\$8,370,000
	b. Pipeline Purging and Cleaning	A	R	2,302 km	\$8,220/km	\$18,910,000
3	<b>Pipeline Abandonment-in-Place</b>			2,018 km	16%	\$58,470,000
	a. Basic Pipeline Abandonment-in-Place	A	N/A	2,018 km	\$7,130/km	\$14,390,000
	b. Provision for Post-Abandonment Activities	A,A+	N/A	2,018 km	\$21,840/km	\$44,080,000
4	<b>Special Treatment</b>	A+	N/A	Crossings	16.3%	\$59,660,000
5	<b>Pipeline Removal</b>			284 km	39.2%	\$143,090,000
	a. Pipeline Removal and Backfilling	N/A	R	284 km	\$458,520/km	\$130,220,000
	b. Pipeline Removal – Land Restoration	N/A	R	284 km	\$45,320/km	\$12,870,000
6	<b>Above-Ground Facilities</b>				7.5%	\$27,460,000
	a. All Facilities	A	R	All	2.1%	\$7,590,000
	b. Portions Removed	N/A	R	All	5.4%	\$19,870,000
	c. Portions Left in Place	A	N/A	--	--	Nil
7	<b>Contingency</b>			Entire System	9.1%	\$33,180,000
	<b>Total Cost for Future Abandonment Activities</b>			Entire System	100%	\$364,940,000