

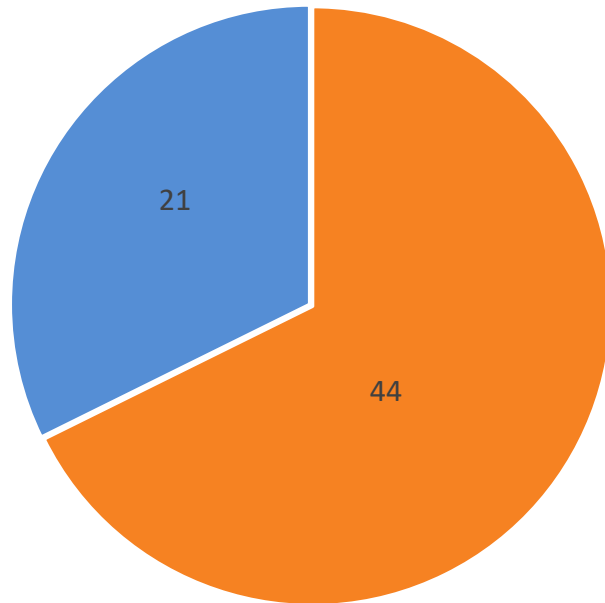
Actual Cost of Cross Connection Surveys (CCS)

	High-rise Multi Residential	Low-rise Multi Residential	6-8 Unit Multi Residential	Single Tenant Commercial	Multi Tenant Commercial
Cross Connection Survey Cost	\$331.45	\$198.51	\$194.25	191.95	\$311.35
# of Unit(s)	165.7	24.3	6.6	1	11.7
Cost per Unit	\$2.22	\$9.99	\$31.19	\$191.95	\$30.21

- Represents 50 invoices from 17 Qualified Companies.

Cross Connection Control Programs (CCCP) in Ontario

Number of CCCP in Ontario by Type



■ Premise Isolation Program

■ Full Program

Premise Isolation Program

- BPD on water service to isolate the property from the municipal distribution system.
- Only protects municipal distribution system.

Full Program

- Backflow Prevention Device (BPD) on water service and at hazardous connection within internal plumbing system.
- Protects municipal distribution system and building occupants.

Minimum Standard



B64.10-17/B64.10.1-17

Selection and installation of backflow preventers/Maintenance and field testing of backflow preventers



Hazard Classifications

- **Minor** – any type of cross connection or potential cross-connection that involves a substance that constitutes only a nuisance and that results in a reduction in only the aesthetic qualities of the water.
 - Beverage dispensing equipment (no carbonator)
 - Residential premises
- **Moderate** – any minor hazard connections that has a low probability of becoming a severe hazard.
 - In-ground lawn irrigation
 - Boiler system with no chemical additives
- **Severe** – any type of cross connection or potential cross connection involving water that has additive or substances that, under any concentration, can create a danger to health
 - Detergent dispenser
 - Car Wash

Hazard Classifications

B64.10-17

Selection and installation of backflow preventers

Table B.2 (Continued)

Type of building or facility	Degree of hazard
Campsite with RV hook-ups or dump-stations	Severe
Carwash	Severe
Chemical plant	Severe
Church	Minor to moderate
College	Moderate
Commercial premises	Moderate to severe
Concrete plant	Severe
Dental office	Moderate
Dental surgery facility	Severe
Dock and marine facility	Severe
Dry cleaning plant	Severe
Duplex housing with shared service	Minor
Dye plant	Severe
Exhibition ground	Severe
Farm	Moderate to severe
Film processing facility	Severe
Fire station	Moderate to severe

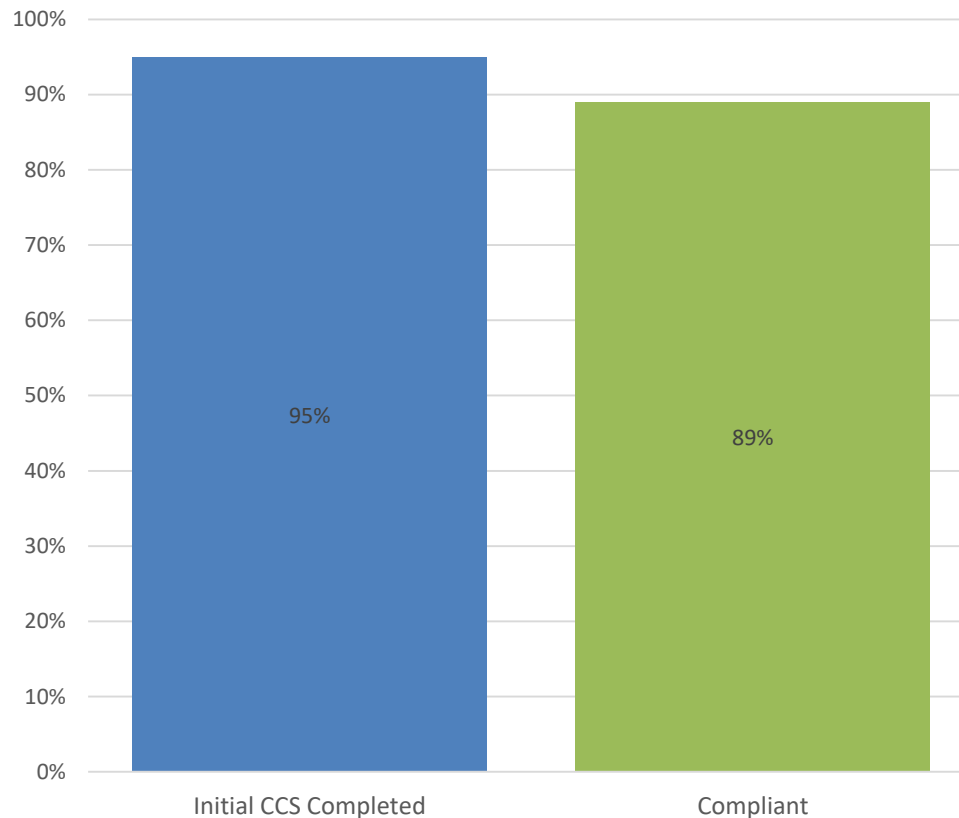
CCS Clarification

- Addition of “individual residential dwelling unit” as a defined term.
- Section 6.5 *An individual residential dwelling unit within an industrial, commercial, institutional, agricultural, multi-residential property is exempt from a cross connection survey unless a severe hazard is known and/or brought to the attention of the qualified person.*

Barrie's CCCP Status

2009-2017

8 years into implementation.



- 1,989 Properties incorporated in the program.
- 2,294 CCS have been completed and reviewed.
- 4,721 Backflow prevention devices are recorded and tested annually.