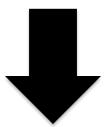


Drinking Water Security



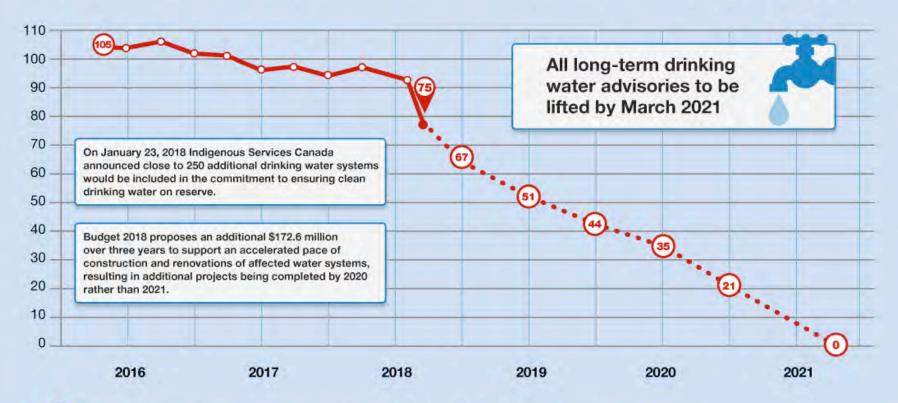
Human Right to Drinking Water

(As defined by the United Nations)

...entitles everyone, without discrimination, to have access to sufficient, safe, acceptable, physically accessible and affordable water for personal and domestic use and to have physical and affordable access to sanitation, in all spheres of life, that is safe, hygienic, secure, socially and culturally acceptable and that provides privacy and ensures dignity...

Long-term drinking water advisories on public systems on reserve

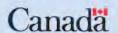
Last updated May 4, 2018





Current number of long-term drinking water advisories affecting public systems on reserve

Long-term drinking water advisories in place, past and forecast

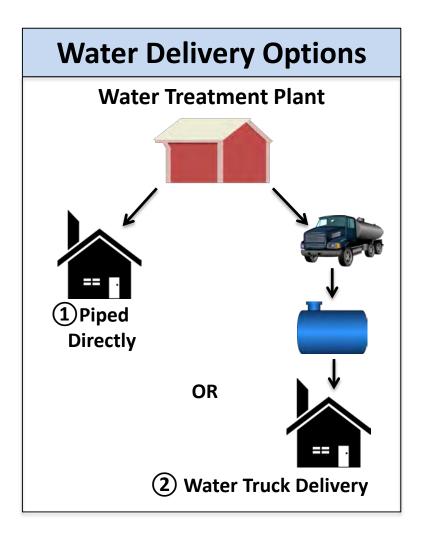


Water Delivery in Pine Creek First Nation

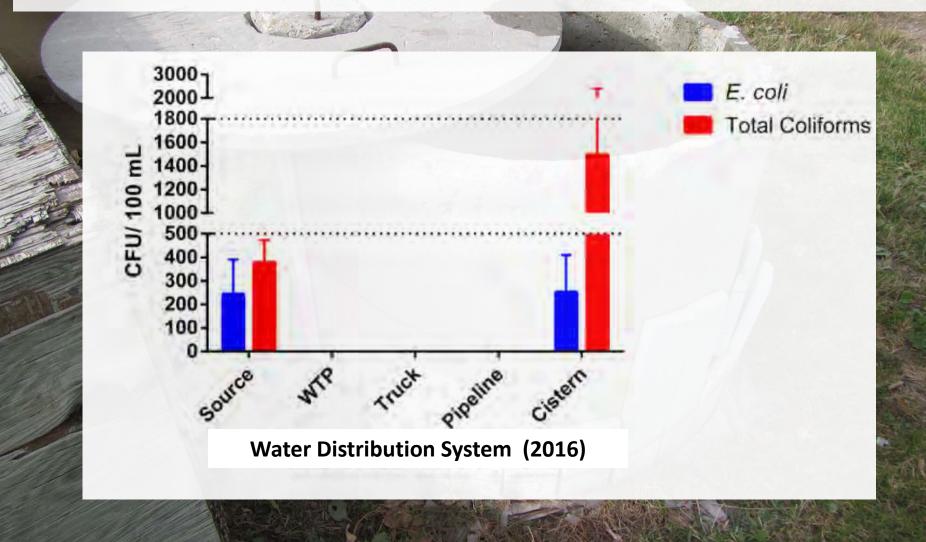
1 Homes with **piped water** (60 homes): no total coliforms or *E. coli*

BUT

2 Homes with **cisterns** (150 homes): unacceptable levels of total coliforms and *E. coli*



Presence of Total Coliforms and E.coli





Household Water Survey

Objectives

- Assess the access to, acceptability, safety, and affordability of drinking water in the community.
- Compare the differences between piped water homes and homes with cisterns.

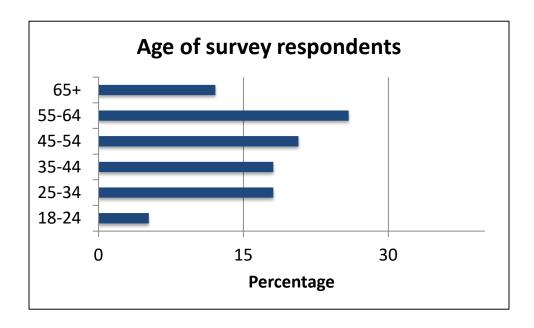
Methods

Paper survey, door-to-door



Water Survey Demographics

- 57.9% of households were surveyed
 - 62 long survey and 59 short surveys
- 61.2% female and 34.7% male



Is it safe?

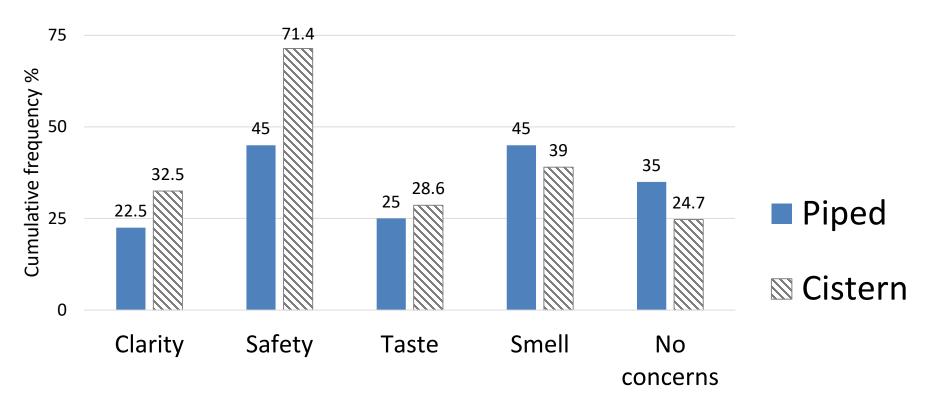
"...I'd rather drink ditch water"

40% of respondents believe their tap water to be safe

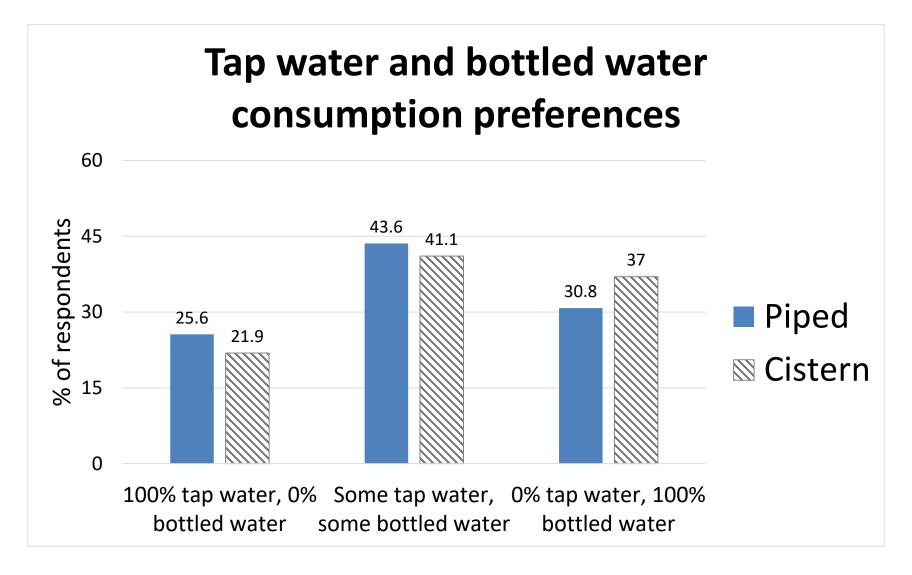
88% of non-First Nations people in small communities believe their tap water to be safe (EKOS, 2009)



Concerns community members have with their tap water.



Safety: $(\chi^2 (1, n = 117) = 7.836, p = .005, Cramer's V = .259)$.

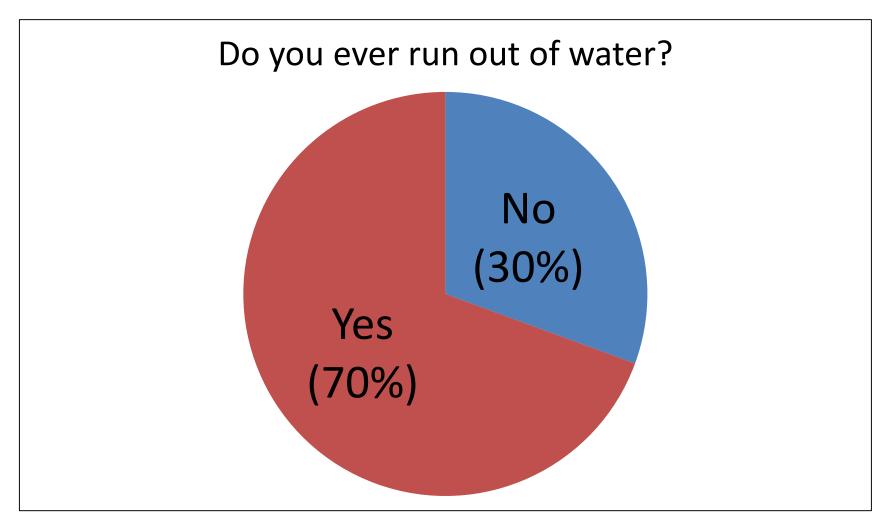


35% of respondents report drinking 100% bottled water **8%** of Non-First Nations people report drinking 100% bottled water (Dupont et. al, 2014)



Running out of water

- Only people with cisterns experienced this
- Many people have experienced running out of water, and now try to avoid this by rationing their water.



"...the water in my home does affect me socially. I can't even have visitors because of the water in my home"

"Bullied from dirty clothes"

"I am a grandmother, aunty. I have children in my home. When there is no water, I cannot give them a bath!"

The benefits of investing in water and sanitation

- Health care savings
 - O'Gorman estimates \$102.2 million could be saved in health-care dollars if water quality was improved off-reserve.
- Productive days gained & school attendance
- Time savings gained from more convenient access to water
- Illnesses averted

REĂTE



Acknowledgments

The community of Pine Creek First Nation
Chief Batson and Council members
Wendy Ross
Annemieke Farenhorst
Lalita Bharadwaj
Tracey Peter
Ruidong Mi





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