

SEED X NSCC X MUNICIPALITY OF SHELBURNE

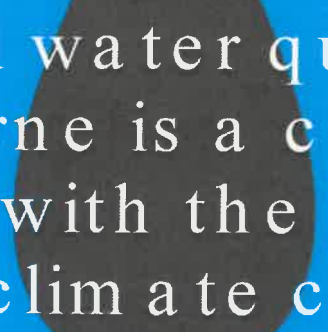
SHELBURNE COMMUNITY WELL PROJECT



providing potable water for the community of Shelburne

5(a)





The well water quality in
Shelburne is a concern,
especially with the increasing
risk of climate change.

Climate change and well water.

providing clean, potable water for a community in need

drought, flooding, and seawater intrusion can affect everyone in the province

Southwestern NS has a much higher percentage of people on dug wells, which are shallower than drilled ones and more sensitive to drought.

42%

of Nova Scotians are on wells

dug wells are more prone to surface water contamination

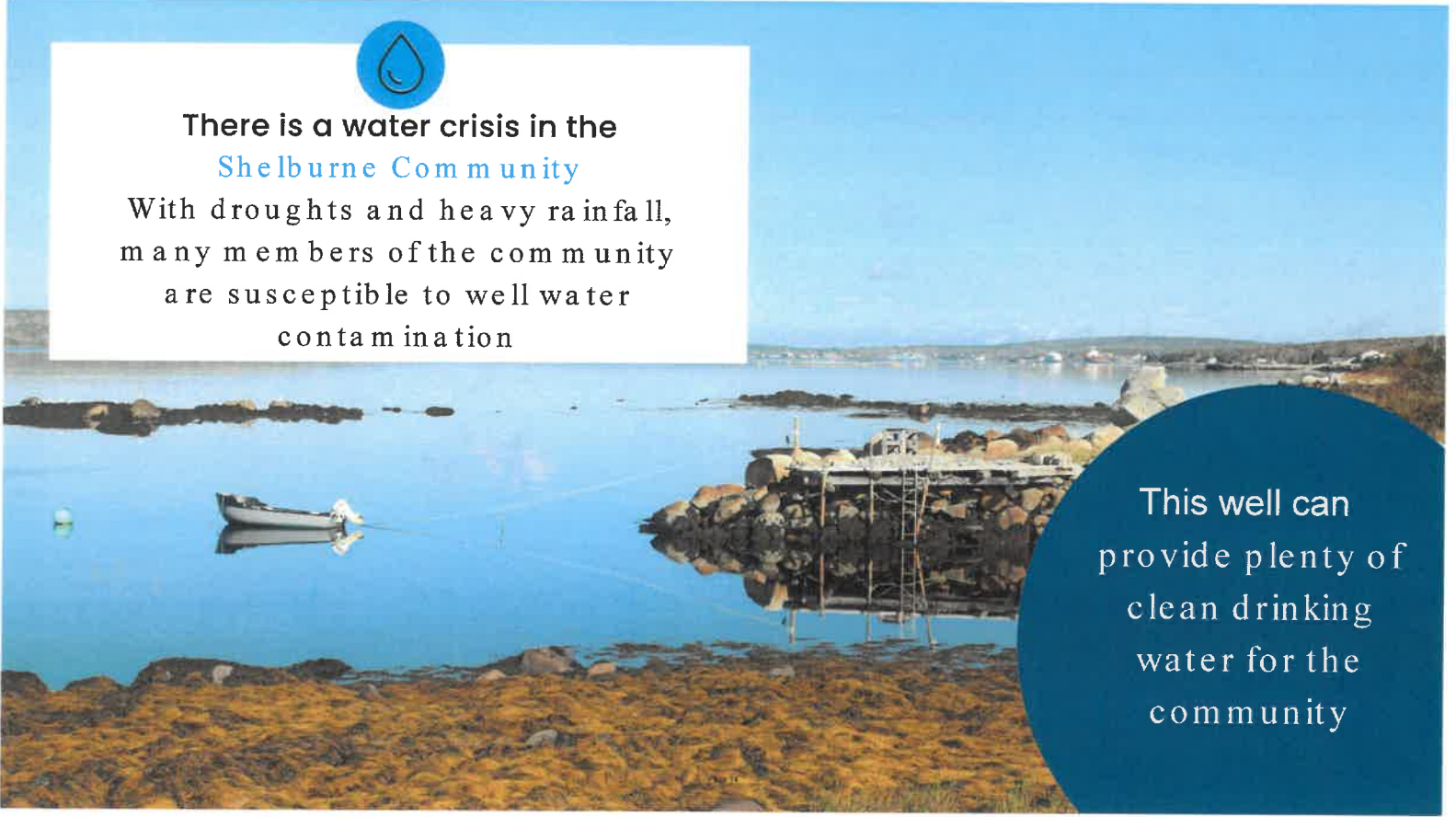
100 year extreme weather events are happening every 10 years



**There is a water crisis in the
Shelburne Community**

With droughts and heavy rainfall,
many members of the community
are susceptible to well water
contamination

This well can
provide plenty of
clean drinking
water for the
community





Through the collaboration of NSCC, SEED, and the municipality of Shelburne we want to construct and maintain a water pumphouse for the community



THE COMMUNITY WELL

- 🔹 Located at the NSCC Shelburne Campus
- 🔹 High yield
- 🔹 Exceptional quality, minimal treatment required

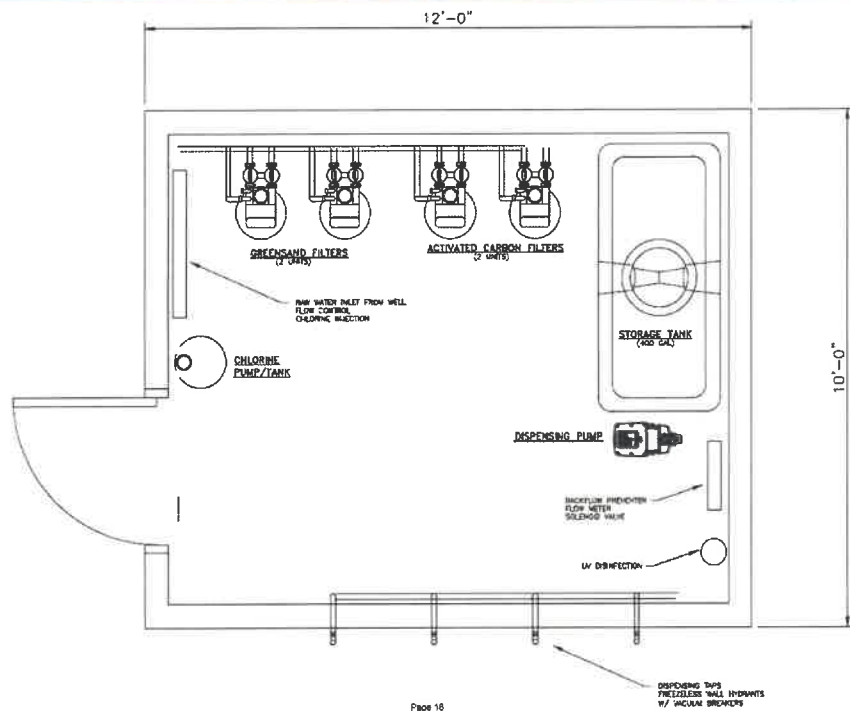


NSCC Shelburne Campus

Well & Pump house

location

pumphouse plans



By the numbers

\$ 10,000

Feasibility study- can we use the well located at the NSCC campus? How much will it cost to build the pumphouse and the water treatment equipment

\$ 17,000

Well pump test- is this existing well a good candidate for this project? Does it have a high yield for high demand? Is the water quality acceptable and treatable?

required funds

\$ 50,000

The water treatment equipment

\$ 35,000

The structure (pumphouse) to house the water treatment equipment

\$ 70,000

Trenching, site works, services, reinstatement, paving, driveway

\$ 17,000

10'x12' concrete slab

\$ 32,000

Contracting services and design

Total
Spent

\$27,336.35

Total
Required

\$234,000

Funding Opportunities

Sustainable
Community
Challenge
fund

Round 2 of funding will be released soon

Farm Credit
Canada
AgriSpirit
Fund

Can apply water as an essential nutrient

Wellness
Funds

Access to clean drinking water is a social
determinant of health.

Funding will be announced in March 2024



The project team has reached out to the province and the municipality for funding opportunities and begun research and applications for grants that have been recommended to us.

PROJECT TIMELINE

Desired Completion of the Project

2023

SPRING 2024

FALL 2024



Feasibility study,
well analysis,
planning,
design, and
funding

Start
construction

Start
Operation

Thank you

