



# City of St. Albert

## PureFibre Connectivity Update

June 2022



# Focusing on Alberta

Bridge  
socio-economic  
and  
geographical  
digital divides

Invest and  
Innovate to build  
stronger, viable  
communities

Digitally transform  
Education and  
improve access  
to Healthcare

Future proof the  
Environment and  
invest in  
Agriculture  
Technology





6,000+

AB team  
members +  
8,500 retirees

2.5M  
volunteer  
hours

\$145M  
giving to  
charitable  
organizations



\$51B

investment to date

\$17B

planned spend  
next five years

\$1B+

in taxes

A proven history of  
investment and  
employment in  
Alberta



# Connecting for Good

## **Mobility for Good**

Free wireless service and devices to vulnerable youth aging out of government care and low income seniors.

## **Internet for Good**

Providing low income families, students, and persons with disabilities (AISH) with access to affordable in-home high speed internet and computers.

## **Health for Good**

Bringing mobile health clinics to provide access to healthcare to the homeless and those suffering from mental health and addiction issues.

A photograph showing a woman with long brown hair, a young girl with brown hair, and a baby sitting together at a table. The woman is pointing at a laptop screen, and the girl is looking at it with her hand to her chin. The baby is looking down at something in their hands. The background is a simple indoor setting.

Good business and doing good are mutually inclusive



# Enabling Innovation

Investing in PureFibre and 5G to ensure citizens, governments and healthcare providers can create better, faster, safer and greener.



Digital  
Identity



Smart  
Services



Smart Cities



Green Cities

- ✓ Complete PureFibre deployment to over 95% of homes and businesses
- ✓ Deploy and enable 5G capabilities
- ✓ Leverage key partnerships to enable solutions and build an ecosystem



# Pre Fiber Communication Strategy

Inform, educate and excite St Albert residents of our build footprint and about TELUS PureFibre!

## We will do this by:

- Direct Mail and email, to Customers & Residents
- Targeted Digital Media Ads
- Door to Door Conversations
- Virtual Events & Online Neighborhood Level Engagements
- Mini Billboards
- Field Branding in Active Construction Areas
- Share PureFibre Construction Videos
- Dedicated Facebook Page



Pure Fiber link to  
general information  
and construction  
videos



# PureFibre Build Plan

## FSA (Fibre Service Area) segmented areas

- 6 in Construction phase
- 31 Completed
- 20 Future builds
- Green Complete / Red In-flight 2022 / Purple Future

## Single Family (SXU)

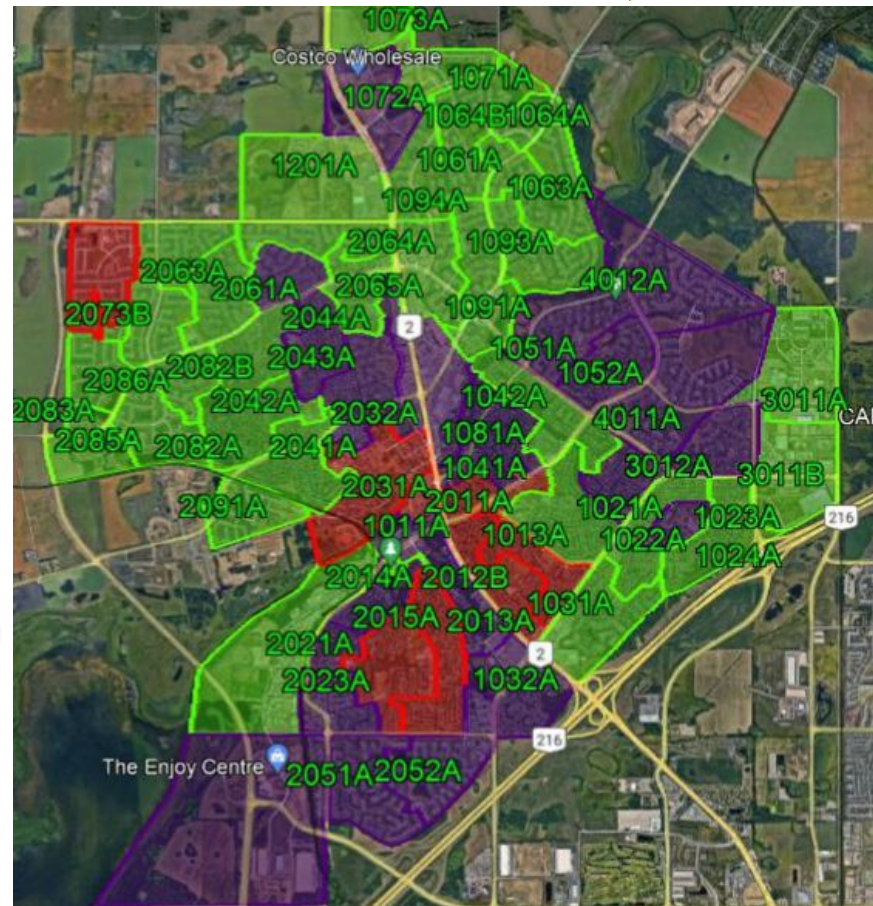
- 9385 Delivered to date
- 2324 (2022 completion)
- 6079 Proposed future

## Multi-Dwelling/Tenant-Single Business (MDU/MTU-SBU)

- 2336- Delivered to date
- 69-SBU (2022 completion)
- 5561 MDU/MTU 71 SBU Proposed future

## Estimated Drilled Meters to date

- 173 km directional drilling





# Restoration and Quality

## Hydroseeding Program

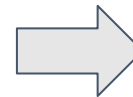
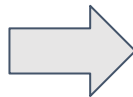
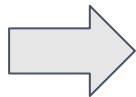
Ensuring the right amount of seeds and moisture

## Dedicated Restoration Crews

Crews with rakes, shovels, seeds, topsoil and a focus towards restoration

## Routine Check-ups

Ensuring resident-properties are properly restored



# Alberta's Rural Connectivity Challenge

Many communities in Alberta remain underserved relative to other regions in Canada

% of households with 50/10	Alberta	B.C.	Quebec	Canadian average
Rural communities	33.2%	62.5%	65.2%	45.6%
First Nations Reserves	19.6%	68.3%	62.8%	34.8%



# Different spectrum bands serve different purposes

**3500/3800 MHz**  
Urban capacity & rural broadband

2+ Gbps

**mmWave**  
Dense urban speed and fibre alternative

8+ Gbps

**600 MHz**  
Rural coverage

>100 Mbps

Thank You