

BRIEFING

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Item # 11.1

Chief Financial Officer's Briefing to
Community Development Committee
2022 May 27

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Fibre Infrastructure Strategy Annual Update

PURPOSE OF BRIEFING

In 2015 September, Council approved the Fibre Infrastructure Strategy (GP2015-0485) with an annual update. This report serves as the 2021 update to the Community Development Committee on the progress, challenges, and future strategic direction regarding The City of Calgary's fibre.

City fibre is the foundation of all networks which City business units rely on to deliver services. Demand for connectivity is expected to increase as more and more business units turn to technology to create efficiencies.

The COVID-19 pandemic caused one of the most disruptive events in our lifetimes and continues to apply pressure to economic, social, and technological domains. City fibre supplies critical communications infrastructure to support business unit demands for services and provides capabilities to pivot when extreme conditions arise.

SUPPORTING INFORMATION

For over 20 years, The City of Calgary Information Technology (IT) business unit has been leveraging capital works projects to take advantage of economies of scale to deploy fibre optic to support City services. The Fibre Cable Duct and Wireless (FCDW) steering committee was established in 2002 to provide governance for The City's fibre infrastructure. Membership of the FCDW committee includes the directors of Transit, Roads, Water Services, Transportation Infrastructure, Facility Management, and IT.

As of the end of 2021, The City had deployed a total of 650 kilometers of fibre optic throughout Calgary. The City of Calgary's fibre optic "...is where Calgary stands out from the crowd. Calgary has the most extensive network in Canada..." as noted in Calgary Economic Development's article "Calgary: A leading city in 5G and connectivity" on 2021 March 15.

The primary focus of The City's Fibre Infrastructure Strategy is to connect all City buildings, facilities, and assets. The excess capacity in City fibre optic has been licensed to civic partners, universities, school boards, businesses, and carriers. All revenue is transferred to the Information Technology Reserve and is used for future fibre builds for City services and to support operating costs.

ATTACHMENT(S)

1. Attachment 1 – Fibre Infrastructure Strategy Annual Update