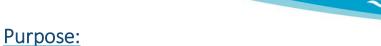


Agenda:

- Purpose
- Timeline
- City's Existing Fibre Optic Coverage
- Telco Broadband Coverage
- Options
 - Expand
 - Partnership
 - Utility
 - Status Quo
- Recommendation
- Questions

Mayor's Leaders' Table – Dec 15, 2023



To discuss, consider options, and provide recommendations to:

Aug 28 - 2023 Regular Council Meeting

Motion: That Council direct Staff to prepare a report in consultation with community partners referencing the recommendations provided by the Infrastructure Ask Working Group that provides options for expanding and integration the City's fibre network.

Mayor's Leaders' Table – Dec 15, 2023

3

Timeline 2020 Mayor's 2023 Council Motion 2022 Infrastructure Ask Working Group • Nanaimo Regional General Hospital Patient Tower • Equitable Housing • Community Fibre Optic Network • Nanaimo Regional General Hospital Cancer Centre • South End Community Centre

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Council Motion and Options:

Aug 28 - 2023 Regular Council Meeting

Motion: That Council direct Staff to prepare a report in consultation with community partners referencing the recommendations provided by the Infrastructure Ask Working Group that provides options for expanding and integration the City's fibre network.

Options Include:

- · Expanding Existing City Fibre
- · Actively Pursue Cost-Sharing with Regional Partners
- Becoming a Fibre Optic Utility
- Status Quo

Mayor's Leaders' Table – Dec 15, 2023

5

Existing City Fibre Optic Coverage:

~7km, Connecting the City's Priority Facilities:

- Municipal Hall
- SARC
- Fire Station 1
- Beban
- Public Works
- NIC
- NAC

Considerations:

Telus, Rogers Dependencies

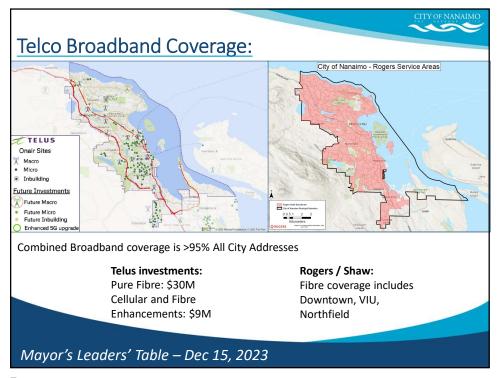
- Connectivity redundancies
- Internet access

Estimated Build Costs:

- \$50-\$300/m with civil project
- \$300-\$1000/m stand-alone



Mayor's Leaders' Table - Dec 15, 2023









Options: Status Quo

<5km of fibre optic expansion and upgrade 2024-2033.

Benefits:

- No change to existing budget or staffing levels
- Does not take IT capacity from priority activities (ex. Cyber Security, system upgrades)

Considerations

- Increasing demand for digital services increases Telco reliance
- Opportunity costs for not leveraging civil projects to expand coverage and not seeking opportunities for connectivity with regional partners



2024-2032 Budget: \$789,000

Mayor's Leaders' Table - Dec 15, 2023

11



Recommendation: Expand+

How

- Invest to build redundant fibre connectivity to all or most of the City's Priority Facilities. Minimize costs by:
 - Including telecommunications with civil projects
 - Establish relationship with regional partners and seek opportunities for cost sharing to assist with this expansion

Benefits, Considerations:

- Increased control and scalability of network communications
- Reduced reliance on Telcos
- IT staff resources requirement, however, will not detract focus and capacity to implement major initiatives (ex. Cyber Security program)
- Requires increases to 5 and 10-year budgets, cost recovery to include estimates on cost-avoidance associated with Telco system outages

Mayor's Leaders' Table - Dec 15, 2023

