

SUMMARY and FISCAL NOTE

Department:	Dept. Contact:	CBO Contact:
City Light	Jeff Wolf	Greg Shiring

1. BILL SUMMARY

Legislation Title: AN ORDINANCE relating to the City Light Department; authorizing the execution of an indefeasible right of use fiber sharing agreement with Ziply Fiber Pacific, LLC for an effective period of up to two 15-year terms.

Summary and Background of the Legislation: This Ordinance authorizes City Light to enter into an agreement with Ziply Fiber Pacific, LLC which require each party to provide the other with access to their fiber networks located geographically between the Department's Bothell switchyard and the intersection of Ziply's and the Department's fiber pathways in Marblemount for a period of up to two 15-year terms.

City Light owns and maintains its own fiber network consisting of 64 fiber strands within a 96-mile-long Optical Ground Wire (OPGW) system along the 240 kV "D" Line right-of-way spanning from Diablo to Bothell. City Light installed the fiber network in the late 1990s at a project cost of \$7.5 million. This line is used to communicate between City Light's Skagit Hydroelectric Facility and its Bothell Switchyard. Various types of information important to the facility's operations are carried through this fiber network including data on unit control, protective relay operations, dam failure warning systems, radio traffic to Seattle, telephone service, IT connectivity, surveillance cameras, and spillgate controls.

This sharing arrangement provides the Department with access to a redundant communication pathway separate from the existing pathway owned by the Department. Access to a second communication system will improve the Department's reliability in the event the Department-owned system is damaged or otherwise fails. Over the past decade, the Department's fiber has been damaged four times due to vandalism involving gunfire. This Agreement to share fiber with Ziply is a unique opportunity for the Department to achieve increased reliability without spending the time and money to build a second, independent system.

This arrangement will not compromise the security of the Department's system. There will be no interconnection between the two systems. Fiber optic cables contain many strands, and each strand of fiber is completely independent from all other strands in the cable. Though it passes through the Department's right-of-way, the specific fiber strands granted to Ziply will not have any SCL/COS data or information on them. They will be terminated at each end into a Ziply-owned device. Similarly, the fibers granted to the Department by Ziply under the agreement do not connect to any data-bearing device (Router, Switch, etc.) that is not wholly owned and operated/maintained by Seattle City Light.

2. CAPITAL IMPROVEMENT PROGRAM

Does this legislation create, fund, or amend a CIP Project?

☐ Yes ☒ No

3. SUMMARY OF FINANCIAL IMPLICATIONS

Does this legislation have financial impacts to the City?

☐ Yes ☒ No

3.d. Other Impacts

Does the legislation have other financial impacts to The City of Seattle, including direct or indirect, one-time or ongoing costs, that are not included in Sections 3.a through 3.c? If so, please describe these financial impacts.

If the legislation has costs, but they can be absorbed within existing operations, please describe how those costs can be absorbed. The description should clearly describe if the absorbed costs are achievable because the department had excess resources within their existing budget or if by absorbing these costs the department is deprioritizing other work that would have used these resources.

Please describe any financial costs or other impacts of *not* implementing the legislation.

Please describe how this legislation may affect any City departments other than the originating department.

There will be some initial cost to enable both fiber pathways to exchange information. However, the cost to the Department is minimal and will be absorbed as part of the Department's O&M Budget. Once that work is completed, there will be no anticipated additional cost.

4. OTHER IMPLICATIONS

- a. Is a public hearing required for this legislation? No.
- b. Is publication of notice with The Daily Journal of Commerce and/or The Seattle Times required for this legislation? No.
- c. Does this legislation affect a piece of property? No.
- d. Please describe any perceived implication for the principles of the Race and Social Justice Initiative.

This legislation does not impact the principles of Race and Social Justice Initiative. It provides the Department with a redundant fiber communication pathway that will improve the Department's ability to provide reliable electric utility service.

e. Climate Change Implications

This legislation does not impact the City's ability to adapt to climate change.

f. If this legislation includes a new initiative or a major programmatic expansion: What are the specific long-term and measurable goal(s) of the program? How will this legislation help achieve the program's desired goal(s)? What mechanisms will be used to measure progress towards meeting those goals?

Not Applicable.

g. Does this legislation create a non-utility CIP project that involves a shared financial commitment with a non-City partner agency or organization?

Not Applicable.

5. ATTACHMENTS

Summary Attachments: None.