

# CLACKAMAS COUNTY BOARD OF COUNTY COMMISSIONERS

## Policy Session Worksheet

**Presentation Date:** December 11, 2018 **Approx. Start Time:** 3:30 **Approx. Length:** 30 min.

**Presentation Title:** Guidance on the CBX Business Plan Development

**Department:** Technology Services

**Presenters:** Dave Cummings, Dave DeVore, Dave Soloos

**Other Invitees:** Laurel Butman

### WHAT ACTION ARE YOU REQUESTING FROM THE BOARD?

Clackamas Broadband eXchange (CBX), a division of Clackamas County Technology Services (TS), is requesting the Board to provide guidance to TS in the development of the CBX Business Plan by reviewing and answering some questions related to the scope and goals of CBX and its role in providing a strong infrastructure in Clackamas County.

### EXECUTIVE SUMMARY:

Clackamas Broadband eXchange is currently developing the next version of the CBX Business Plan with the goal of providing key direction as well as parameters for future development of County Broadband. This business plan must encompass the goals of the County as set forth by the Board of County Commissioners (BCC). In order to ensure that the Business Plan is aligned with these goals, TS has some questions related to the level of growth and offerings to be incorporated into this plan.

Attached is a short list of questions for the BCC that will help define the direction of the development of this critical Business Plan.

### FINANCIAL IMPLICATIONS (current year and ongoing):

These questions do not generate any financial impact.

Is this item in your current budget?  YES  NO (N/A)

What is the cost? \$ N/A What is the funding source?

### STRATEGIC PLAN ALIGNMENT:

- How does this item align with your Department's Strategic Business Plan goals?

Answers to these questions will help develop the CBX Business Plan which:

- Will set the business direction for the CBX Project for the foreseeable future
- Potentially increase the scope and type of offerings by CBX
- Potentially increase the number and type of customers served by CBX

- How does this item align with the County's Performance Clackamas goals?

The proposed process aligns with the following Performance Clackamas goals:

- *Grow a Vibrant Economy*

Additional expansion of fiber and potentially other offerings will provide new economic opportunities for citizens of Clackamas County

- *Build a Strong Infrastructure*

Fiber optic network expansion along with potentially other offerings (including in partnership with other vendors) provides a stronger, more flexible and capable fiber infrastructure / offerings throughout Clackamas County and the region

**LEGAL/POLICY REQUIREMENTS:**

N / A

**PUBLIC/GOVERNMENTAL PARTICIPATION:**

N / A

**OPTIONS:**

No decisions required from the Board. Just direction for the Business Plan as identified by answering the attached questions.

**RECOMMENDATION:**

Please respond to the attached questions for TS can better develop and ensure a CBX Business Plan that is in-line with the strategic goals of the Board of County Commissioners.

**ATTACHMENTS:**

Attachment A: Clackamas County Strategic Plan – Strong Infrastructure - CBX

Attachment B: List of questions for the CBX Business Plan

**SUBMITTED BY:**

Division Director/Head Approval \_\_\_\_\_ DD \_\_\_\_\_

Department Director/Head Approval \_\_\_\_\_ DC \_\_\_\_\_

County Administrator Approval \_\_\_\_\_

For information on this issue or copies of attachments, please contact Dave DeVore @ 503-723-4996
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## AREA OF STRATEGIC FOCUS

# Build a Strong Infrastructure

**Goal:** By 2020, all Clackamas County residents will have access to high speed internet

### Why this is important:

Fiber broadband networks are becoming drivers and enablers of robust economic development and global competitiveness, fostering educational, business, and public service opportunities.

### How much does the County influence this?

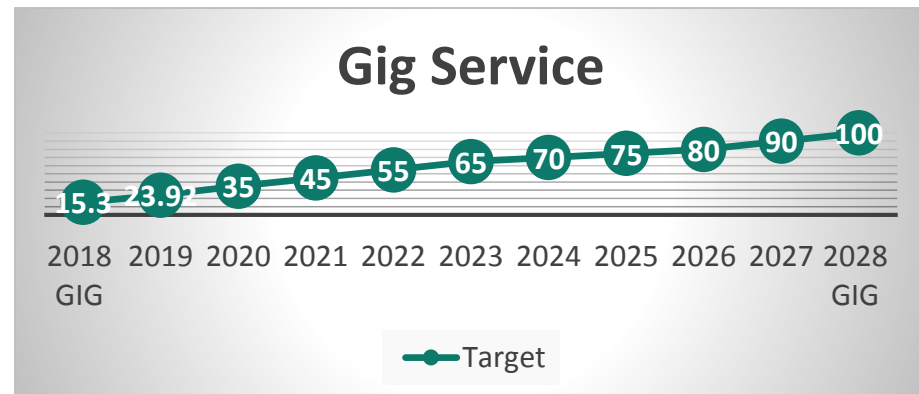
In 2010, Clackamas County was awarded a federal BTOP grant and developed a self-sustaining dark fiber plant throughout the County establishing the Clackamas Broadband Exchange (CBX). This gave the County a fiber backbone as a base for economic expansion.

### Where are we now:

*The CBX continues to grow and has developed a network footprint that serves many locations, which includes both public and private sectors as well as telecom providers. The CBX plus all telecom providers in Clackamas County serves approximately 93.8% of residences and businesses. As of 2019, 23.92% of those served have access to 1000Mbps download/100 Mbps upload packages, leaving 76.07% without gigabit service.*

*To reach the goal of all residents/businesses in Clackamas County with connectivity and access to 1 Gig services there needs to be an effort by local telecoms as well as the County CBX.*

*This connectivity and access takes time and funds to be sustainable and we are hoping to reach this goal by 2028 with the partnership of the CBX and local telecoms.*



Draft.

Questions for BCC Work Session.  
Tuesday, December 11, 2018

The BCC has a goal in Performance Clackamas that reads "By 2020, all Clackamas County residents will have access to high speed internet."

In order to create lasting and meaningful performance metrics, conduct a Feasibility Analysis and develop a Strategic Plan to help the County meet this goal, TS would appreciate the BCC's thoughts and clarifications on the following questions. These questions are designed to start a conversation and are not meant to be exhaustive.

1. The goal as written seems to focus on vendor supply (high speed internet in ISP service areas) rather than demand by consumers (who and where the unserved and underserved are and what level of service they need). Would you be amendable to focusing on consumer demand, or on both supply and demand, rather than just the supply side?
2. The goal states the customer as "Clackamas County residents." Does this metric mean to include or exclude access by businesses?
3. If the County determines that it should provide internet service, should there be limitations on who can acquire the service (only unincorporated county residents? Only unserved or underserved? Only residents but not businesses? Other?)
4. What are the attributes you mean by "access"? Does this include availability of signal (could be fiber or wireless), cost, location (home versus at work versus, at a library, at a Wi-Fi hotspot, or in the community at large), other attributes?
5. Do you want the analysis and plan to establish minimum speeds and other technical specifications to define or describe 'high speed internet' for fixed residential service, mobile phone service, and fixed business service (if businesses are included)?
6. If the feasibility analysis determines that the County may want to provide internet service, would you like us to plan to beta test some service and finance models before final decision and deployment?
7. Generally speaking, existing providers cannot reach all households and businesses because the economics do not work in very rural or remote areas. The County would presumably face similar financial considerations trying to serve some of these areas. Would the County consider any creative financing support to help provide the service at a lower cost to unserved and underserved areas or consumers? Would the answer change if the long term ROI was revenue-neutral to the County?
8. Some households and businesses may not want or need full broadband speed, but something less. Can the feasibility analysis and strategic plan include other service tiers (either by speed or type such as fiber or wireless)?
9. If any financial outlays have a payback period, how long or short should that payback period be?

10. The goal states that everyone will have the service by 2020. Staff would like to discuss your expectations for 2020 and perhaps revisit the target date for everyone to have service.