KITSAP PUBLIC UTILITY DISTRICT
BROADBAND UTILITY

KRCC

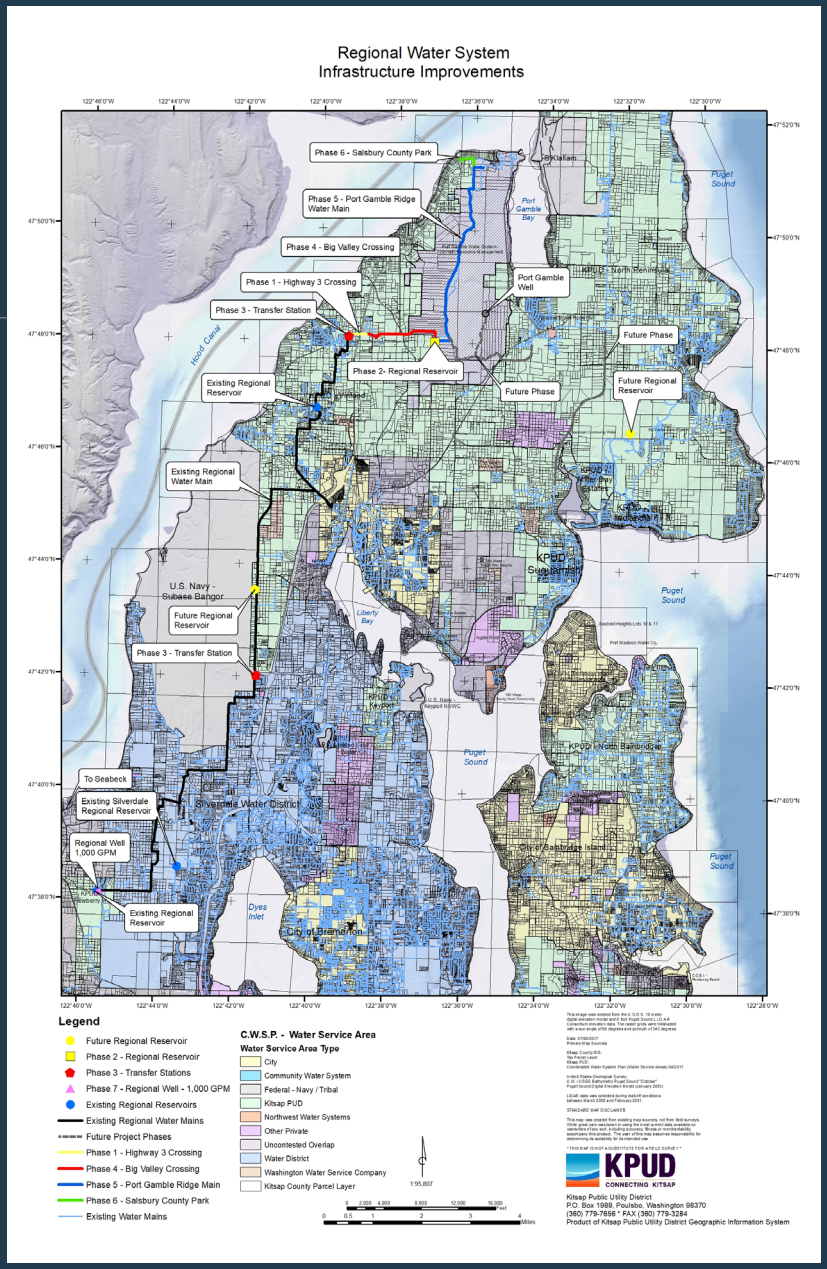
MAY 2, 2023

KPUD
CONNECTING KITSAP

Kitsap Public Utility District

STRENGTHENING KITSAP COMMUNITIES THROUGH RESPONSIVE AND SUSTAINABLE UTILITY SERVICES

- Water Resource Management
  - All of Kitsap County
- Water Operations
  - Serving ~16,000 locations
- Wastewater Treatment Plant Port Gamble
- Broadband services
  - Business Customers – 365
  - Residential Customers - 1650



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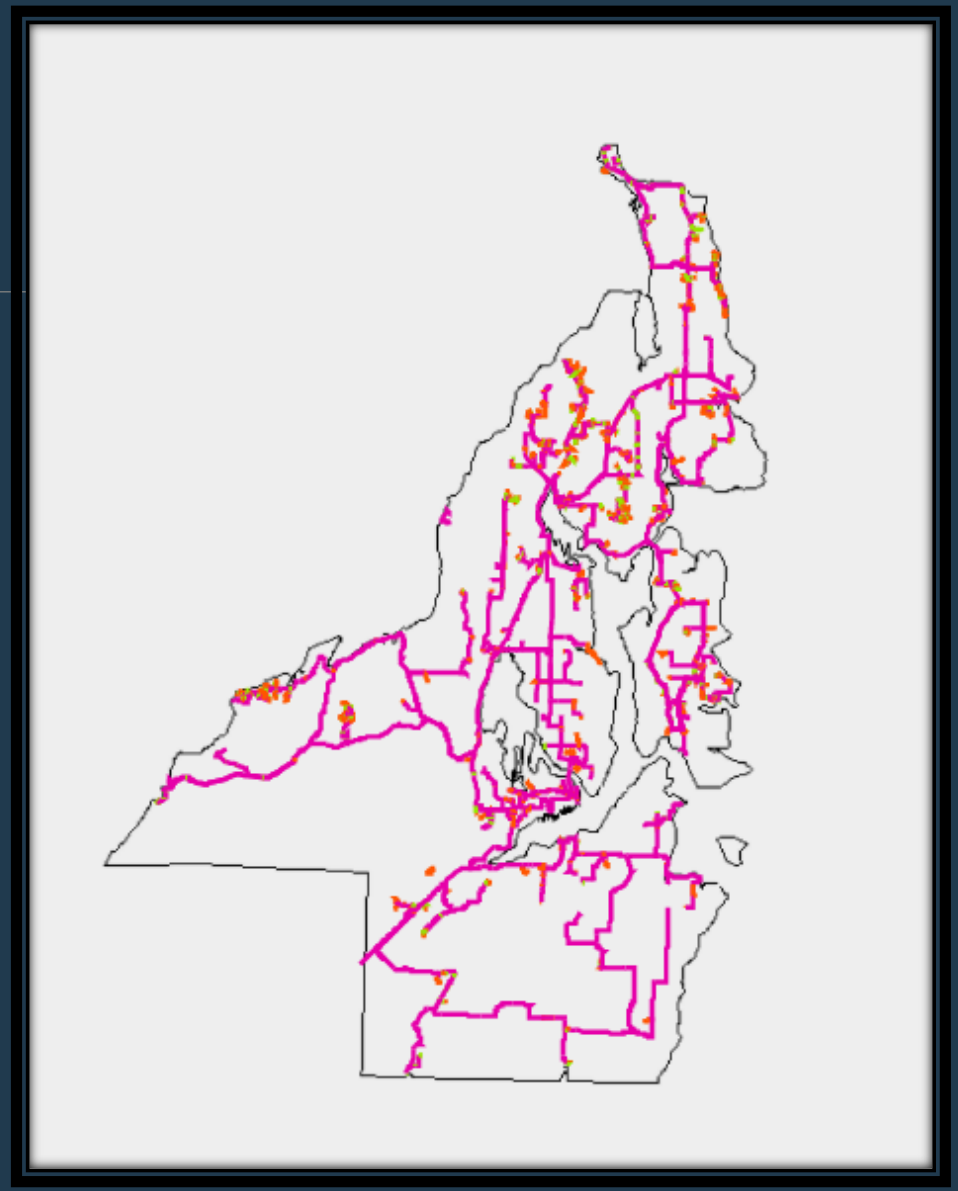
Kitsap PUD - Telecom

- KPUD telecom utility was created using long term bonds
  - Built a figure 8 backbone infrastructure in Kitsap County
  - Connecting Schools, Libraries and other Anchor institutions
- Carrier transport, Kitsap Naval Bases, Cell Tower backhaul, Small business customers

Committed to maintaining a community owned, high-speed, open-access, Fiber Optic Network



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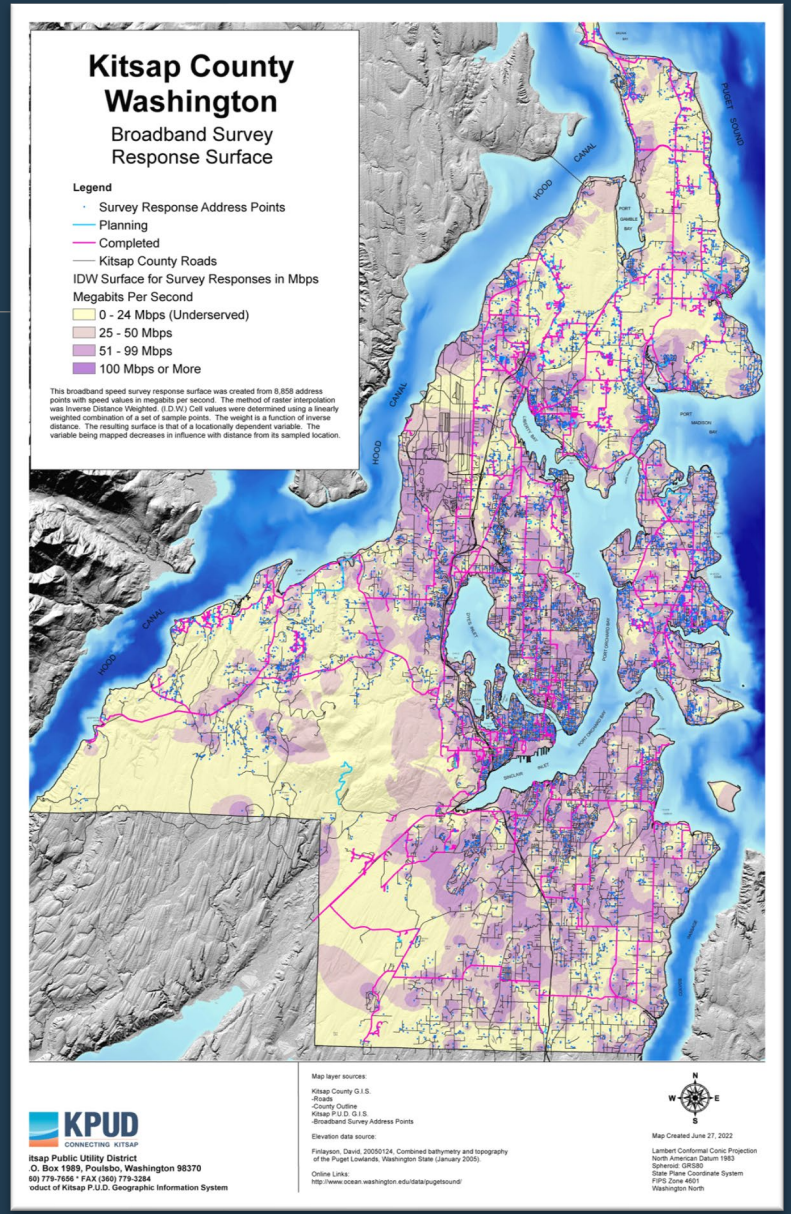
Residential Fiber Expansion

- 2015 Launched the COS Service Zones as a Survey tool for the county.
- 2016 Installed distribution cabinets and established the residential network – separate from the express network
  - Operate an Active Ethernet Solution
- Currently connected to 1650 Residents
- Middle Mile Expansion
  - Reach areas of unserved or underserved residents
    - Yellow areas on Heat Map



Broadband Access for Kitsap County

- High Speed and Quality Network to provide Kitsap County Residents Access to Broadband Services

- All Fiber Network
  - Provide a ‘future proof’ solution for residents in unserved or underserved areas
- KPUD is Wholesale only operating an Open Access Network
  - Multiple service providers and services to choose from
  - Competition drives better pricing and services
- All Residences are installed with equipment to provide a 1 Gbps connection
  - Upload and Download speeds are symmetrical
- Can upgrade in the future (10Gbps or higher) with an exchange of Equipment only

- As a public entity we pass the costs for construction to the end user.

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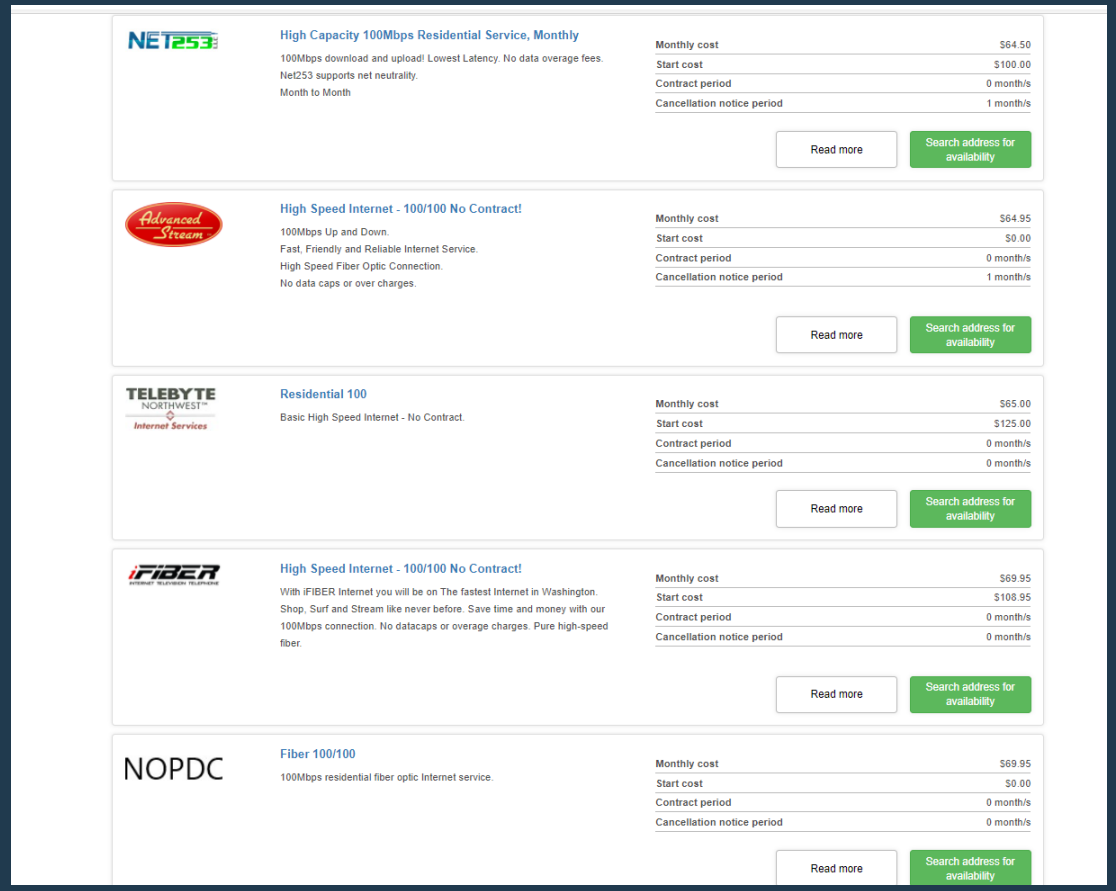
KPUD Open Access Commitment

- Competition
  - Better Services and Prices
- Online marketplace
  - Kpud.broadbandportal.net
- KPUD can provide retail service, but is committed to an open-access model
  - Service Level Agreement
    - Speeds
    - Availability
    - Net Neutrality



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FCC Broadband Equity, Access and Deployment (BEAD) program

- $42.45 Billion
  - all 50 states, Washington D.C., Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands.
- All Funding through the Washington State Broadband Office - WSBO
- New Broadband Maps determine eligible Broadband Serviceable Locations
  - Carriers Reported Service locations and available service
  - Government Agencies – Bulk Challenges on Broadband Service Locations
  - Individuals – Challenges on Location and Services
  - Carriers, Government Agencies – Bulk Challenges on Services

Check your Address….

https://broadbandmap.fcc.gov/

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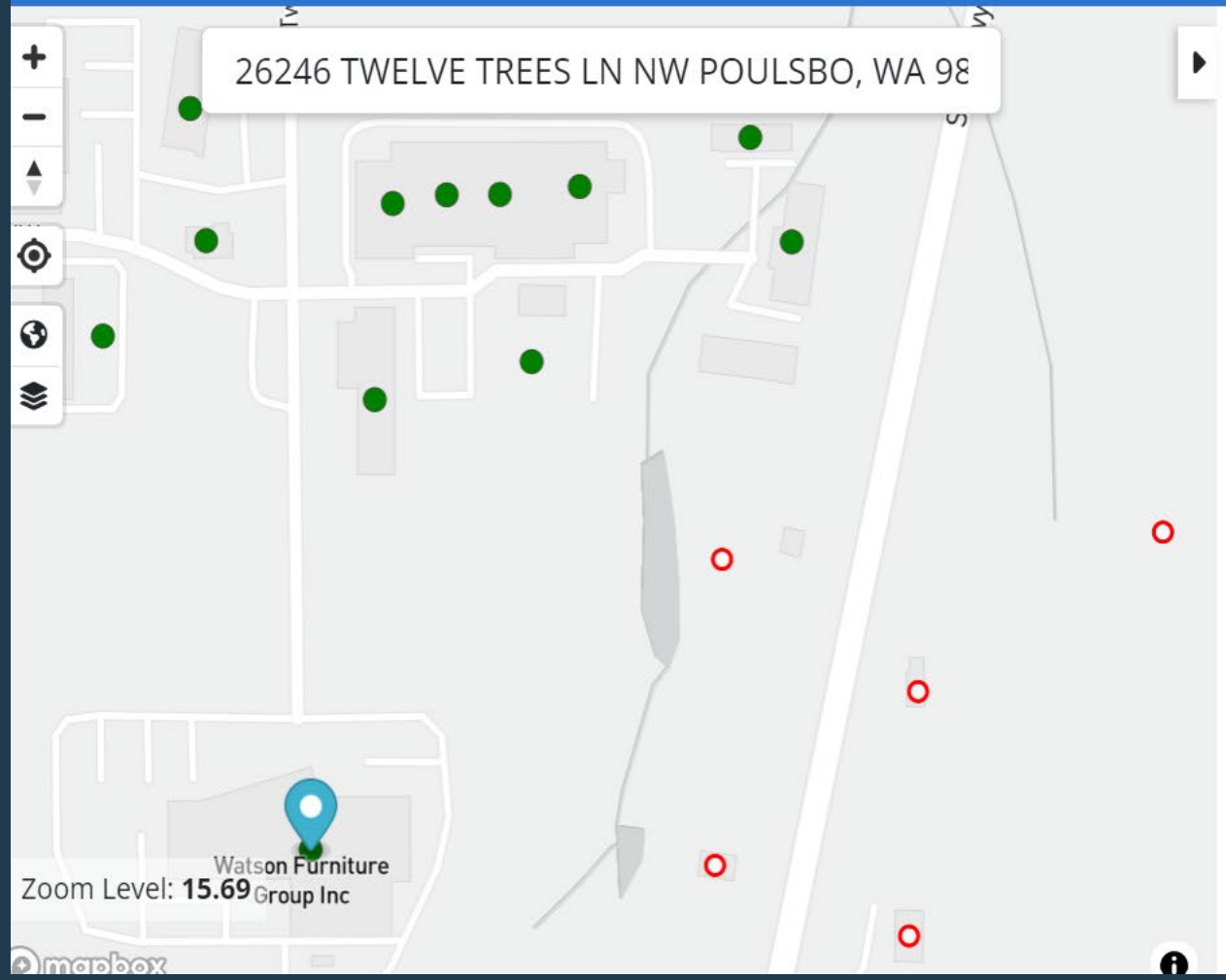
Federal Communications Commission

FCC National Broadband Map

Home | Location Summary | Provider Detail | Area Summary | Data Download | About



Broadband

Type	Residential
Technology	All Wired
Speed	100/20 Mbps or greater
Data As Of	Jun 30, 2022 (Last Updated: 11/17/22)

Residential | Business

Availability Challenge

Provider	Technology	Down (Mbps)	Up (Mbps)	Chall.
Comcast Corporation	Cable	1200	35	
Hughes Network Systems, LLC	GSO Satellite	25	3	
Lumen Technologies, Inc.	Copper	0.2	0.2	
Space Exploration Holdings, LLC	NGSO Satellite	100	10	
Viasat, Inc.	GSO Satellite	30	3	

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What's next?

- Water
  - Regional Infrastructure
  - Consolidation
- Wastewater
  - Pilot Project – reduce contaminants in surface and ground water from septic systems
- Broadband
  - County Funded Node Project
  - Fiber-To-The-Home Project in Hintzville
  - Support all residents having access to quality and affordable broadband services.

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