



**Town Council
WORK SESSION
Tuesday, April 5, 2022
Public Meeting Room / Eagle Town Hall
200 Broadway Eagle, CO**

*This agenda and the meetings can be viewed at www.Townofeagle.org.
Times listed are approximate and are subject to change.*

TOWN COUNCIL WORK SESSION ACCESS INFORMATION AND PUBLIC PARTICIPATION *This will be an in-person work session. Work sessions of the Town Council are not meetings requiring public comment. The public is allowed to attend, however, public comment will not be scheduled and will only be taken at the discretion of the Mayor. The Council shall take no final or official action, vote, nor make any motions.*

PRESENTATION - 4:00 - 5:30 PM

1. IT Department Proposals, Kevin Aoki - IT Manager

I hereby certify that the above Notice of Meeting was posted by me in the designated location at least 24 hours prior to said meeting.

Jenny Rakow, CMC
Town Clerk

PUBLIC WIFI - TOEG – townofeagle2019



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Town Building Connectivity and Broadband Approved in 2022 budget Connecting Town of Eagle facilities Overall plan Administrative Enterprise Community	Benefits of connectivity: - Availability - Network resiliency - Security oversight - Cost reduction and lessen dependence on CL/Comcast (\$100,000/yr) - Foundation to build upon future projects Smart City infrastructure • Cameras • Town wireless • Parking • Drone stuff • Internet service to underserved areas
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Town Building Connectivity and Broadband Approved in 2022 budget Connecting Town of Eagle facilities Overall plan Administrative Enterprise Community	
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Building connectivity and Broadband Approved in 2022 budget Connecting Town of Eagle facilities Overall plan Administrative Enterprise Community	Current connectivity overview Telecom Shelter update THOR network changes Connecting Town Hall, Public Works, Lower Water Connecting Upper Water Connecting Parks, Pavillion/Studio, Info Center Middle mile: County Building, Visionary/Verizon, Eagle Valley Library District, Forethought Community Wireless options Foundation for Smart City infrastructure and Internet to underserved areas
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Building connectivity Approved in 2022 budget Connecting Town of Eagle facilities Overall plan Administrative Enterprise Community	
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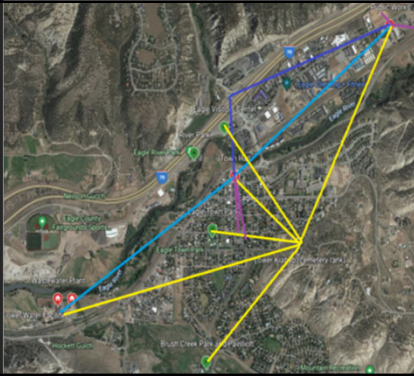
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Building connectivity Approved in 2022 budget Connecting Town of Eagle facilities Overall plan Administrative Enterprise Community	Phase 1,2,3,4,5+ • Town Hall to Cemetery Tank (main connection) • Lower Water Campus to Cemetery Tank • Public Works to Cemetery Tank • THOR to Public Works or 50/50 • Parks, Info Center, and Pavillion/Studio to Cemetery Tank Public Wireless sponsored by Town?
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Building connectivity

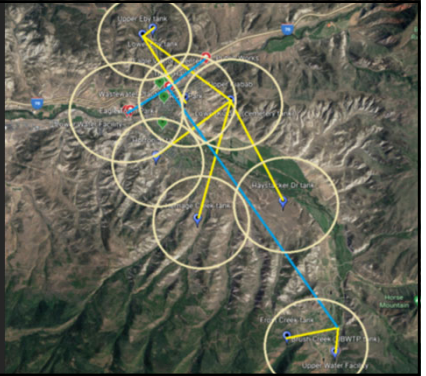
Approved in 2022 budget
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Overall plan
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Enterprise
Community



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Enterprise asset connectivity

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Future growth

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Building connectivity project forms a foundation on which to build other community services.

Smart cities.

Provide competitive Internet to underserved areas within our supportable radius only.

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Future growth

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Future growth

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Provide Internet service to underserved areas of town.

Fiber endpoints can be setup with wireless broadcast devices that provide up to 1GB synchronous throughput with clear line of sight.

User	Bandwidth		Stations	Standards
	Download	Upload		
100	100 Mbps	100 Mbps	\$100.00	\$100.00
200	200 Mbps	200 Mbps	\$120.00	\$120.00
300	300 Mbps	300 Mbps	\$140.00	\$140.00
400	400 Mbps	400 Mbps	\$160.00	\$160.00
500	500 Mbps	500 Mbps	\$180.00	\$180.00
600	600 Mbps	600 Mbps	\$200.00	\$200.00
700	700 Mbps	700 Mbps	\$220.00	\$220.00
800	800 Mbps	800 Mbps	\$240.00	\$240.00
900	900 Mbps	900 Mbps	\$260.00	\$260.00
1000	1000 Mbps	1000 Mbps	\$280.00	\$280.00

Fiber Internet is available in zip code 81621.

Up to 10 Mbps	Up to 100 Mbps	Up to 1000 Mbps	Up to 10 Gbps
\$119	\$169	\$309	\$429

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Future growth

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Comcast Business Pricing

- \$379-409/mo for 1GB down 35M up
- Timeline: approx. 1 year

Lumen Business Pricing

- \$429/mo for 1GB down/up
- May be additional costs if fiber is not already on premise
- Timeline: unknown

Town Fiber estimate (based on EVLD):

- 15-20K boring to get fiber on premise
- Hardware \$250-750
- Installation \$1500
- Base rate for 1GB down/up \$400
- Timeline 3-7 months (summer season)
- ROI=approx. 4 years (48 months)

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Future growth

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Connecting Town of Eagle facilities

Overall plan

Administrative

Enterprise

Community

Town wireless estimate:

- Hardware cost: \$900-1250
- Installation and labor cost: \$500
- Base rate for 1GB down/up: \$300
- Timeline to complete: 3-4 months from approval pending supply chain
- Estimated ROI: approximately 6 months for setup only*
- Following initial ROI, revenue will be used to improve and expand services. Replace wireless with fiber, expand area of coverage, improve resiliency, etc...

*30-45 business end points to offset recurring THOR expenses after initial setup expenses for individual installation are covered

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Thank you

Questions?



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