



July 26, 2021

RE: State of Iowa Broadband Project Application

I have examined the proposed design for the CFU Broadband project and certify that it will be capable of simultaneously facilitating 100/100 Broadband to the total Broadband Units Facilitated as represented in CFU's proposed project.

The design is a fiber to the home design using 1x32, 1x16, and 1x8 optical splits. The platform proposed is the Calix AXOS 10G XGS-PON system.

Residential users will be served by the GP1100X GigaPoint terminal accommodating speeds up to 2.5 Gbps. High speed users will be served by the GH3200X GigaHub that provides speeds up to 10 Gbps.

Both endpoint electronics will be served by the Headend E9-2 XGS-PON NG1601 line card, running symmetric 10G/10G XGS-PON.

The headend system is already serving customers in the Cedar Falls area.



Kenneth C. Kagy PE.

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Expiration Date 12/31/2021