



HUNTINGTON SCHOOL DISTRICT

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Huntington, OR 97907

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To Whom It May Concern:

Huntington School District is applying for the EESC's Last Connectivity Grant.

Huntington Schools are located in rural Eastern Oregon with limited internet accessibility through a T1 line at 1.0 mbps. This connectivity hardly reaches our needs. Our public library is provided internet access through the school. The public library provides internet access for community members and students alike. With fiber optic connectivity, we will be able to access information at a greater rate and have sufficient connectivity for the school and for our community.

Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read 'Eric Milburn'. The signature is fluid and cursive, with a long horizontal line extending to the right.

Eric Milburn, Superintendent
Huntington School District

EESC's Last Mile Connectivity Grant Application Huntington School District

Contact: Eric Milburn
eric.milburn@malesd.k12.or.us

Project Description: *(describe the telecommunication challenge you seek to overcome, and how your proposal provides a viable, long-term solution)*

Huntington School District is a rural school district in Baker County, traditionally served by Malheur Education Service District. Currently they utilize a Frame-Relay T-1 (1 megabit per second) connection that is provided by Qwest/CenturyTel. Huntington has partnered with Intermountain Technology (UMESD/Malheur ESD) in interconnecting for data and video services utilizing NERO (Network for Education and Research in Oregon) for Internet access. The challenge they are facing is the lack of capacity to sustain the digital traffic attributed to progressive curriculum, video streaming, and mandated on line reporting and State testing. The existing single T-1 solution is not technically capable to meet the district's needs associated with supporting 21st century learning environments. Adding additional T-1's would have a minimal impact at exponentially higher costs.

This project will build upon upstream fiber optic infrastructure already in place to service other school districts in Baker and Union Counties to increase the Huntington School District's capacity up to a 10mb connection that can be scaled up

to 10 Gigabit in the future if necessary. The district now has an incredible opportunity to take advantage of a solution that will provide the bandwidth necessary to meet the district's education needs that is both affordable and sustainable. This project will enhance the delivery of K-12 instruction by supporting learning environments that engage students through educational technology activities. Under the current conditions, the ability to utilize video conferencing, distance education, or in-building wireless technologies is NOT an option in an efficient or effective manner. Huntington School District's commitment to sustain the maintenance, cost, and support of this improved infrastructure will insure the viability as a long term, sustainable solution to the current connectivity shortfalls. In summary, Huntington School District has made increased bandwidth a priority in support of achieving their educational technology goals.

Description of how the proposal satisfied the Criteria outlined in Section E:

Huntington School district will use LastMile funds to support the one-time expenditures necessary for installation of fiber optic based, Ethernet service connection to Baker City where Intermountain Technology (UMESD/MaIESD) interconnects with NERO (Network for Education and Research in Oregon) for Internet access. It is a long term solution that is both scalable and sustainable.

The proposed wireless connection falls in the OSI model physical link and will build upon infrastructure already established to deliver the capacity essential to support instructional technology and educational efforts.

Description of site(s) covered and projected numbers of students and educators served:

School	Students	Staff
Huntington School K-12	84	17

Huntington School District is a small rural community covering 332 square miles with 63 percent of students receiving free or reduced lunches. Huntington School District is committed to technology resources and to maintaining the ratio of students and staff to functioning networked computing devices. Each classroom district-wide has access to 90 computers, 9 data projectors, 6 document cameras. There are computer labs available to both the elementary and the high school. The Huntington public city library receives its Internet access through the school district.

Key ESD and/or school staff involved in Proposal:

Name	Title	E-Mail	Phone
Erik Milburn	Superintendent, Huntington SD	Erik.milburn@malesd.k12.or.us	541-869-2204
Cheri Rhinhart	IT Director, UMESD	cheri.rhinhart@umesd.k12.or.us	541-966-3181
Tom Hutchison	IT Network Analyst	Tom.hutchison@umesd.k12.or.us	541-966-3187
Ellen Dentinger	Network Specialist	Ellen.dentinger@umesd.k12.or.us	541-881-6850

Technology needs of the district are supported collaboratively with Information Technology staff from Intermountain Technology. This includes, but is not limited to networking support, desktop support and instructional technology support.

Description and role of any contractors involved in Proposal:

Huntington School district will secure services from the selected vendor, Inland Development to deploy the proposed project. They are registered vendors in the Federal E-Rate program.

If applicable, a description of how the grant funds leverage other resources and their value:

This project involves the acquisition of fiber-optic Ethernet service that leverages an existing upstream fiber-optic network connection to the Internet at the

Intermountain Technology POP in Baker City. By contracting for upgraded Ethernet service, the district would will also leverage a reduction in the upstream recurring charges saving the district and Malheur ESD an additional \$2280 annually, and at the same time providing 10 times the bandwidth available to the school district. Huntington school district has applied for the current year E-Rate Funding with plans to continue to participate in the Federal E-Rate program for discounts on telecommunications costs to offset the recurring costs. Their 2009-2010 discount is 80%. The community, students, and teachers will have increased access to digital curriculum and professional development resources that are dependent on adequate bandwidth. Because of the Huntington city library's connection to the school, the entire city of Huntington will benefit from this project. By connecting Huntington School District to the Intermountain Technology POP in Baker City, a long-term vision of low-latency, high-QOS interconnections between the small rural schools will be advanced.

If Equipment is part of the funding request, a description, manufacturer and make of equipment is required.

No equipment is required to be purchased by the school district under this proposal.

Proposal Budget Page

Non-Recurring Costs

Item	Description	Non-Recurring Cost
Ethernet Service	10 Mbps scalable (12 month contract)	\$62,500.00
Total Non-Recurring		\$62,500.00

Recurring Costs

Monthly Service Charge 10 Mbps Ethernet Service	\$450.00
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