

# EESC's LastMile Connectivity Grant Application Nixyáawii Community School

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

Nixyáawii Community School is a Charter school located in Umatilla County, served by Umatilla-Morrow Education Service District. Currently they utilize a point to point T-1 (1.5 megabits per second) connection that is provided by Qwest. Nixyáawii has partnered with Umatilla-Morrow Education Service District (UMESD) and Pendleton School District 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 online reporting and State testing. The T-1 solution is not technically capable to meet the districts needs associated with supporting 21<sup>st</sup> learning environments. Adding additional T-1's would have a diminished impact at exponentially higher costs.

This project will build upon upstream infrastructure to increase the Nixyáawii Community School capacity up to a 45MB connection. The school now has an incredible opportunity to take advantage of a solution that will provide the bandwidth necessary to meet the 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. Nixyáawii Community School'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, Nixyáawii Community School has made increased bandwidth a priority in support of achieving their educational technology goals.

**2. Description of how the proposal satisfied the criteria outlined in Section E:**

Nixyáawii Community School will use LastMile funds to support the one-time expenditures necessary for providing a connection to Umatilla-Morrow Education Service District (UMESD) to interconnect with NERO (Network for Education and Research in Oregon) for Internet access. It is a long term solution that is both scalable and sustainable.

This 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.

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

| School         | Students | Staff |
|----------------|----------|-------|
| Nixyáawii K-12 | 52       | 7     |

Nixyáawii is located on the Umatilla Indian Reservation and covers 244 square miles with 67% percent of students receiving free or reduced lunches. Nixyáawii Community School is committed to technology resources and to maintaining the ratio of students and staff to functioning networked computing devices. Each classroom school-wide has access to 47 computers, and two data projectors. There are computer labs available to all students.

**4. Key ESD and/or school staff involved in proposal:**

| Name           | Title                      | E-Mail   | Phone        |
|----------------|----------------------------|--|--------------|
| Tim Sprenger   | Principal, Nixyáawii       | <a href="mailto:Tim.Sprenger@umesd.k12.or.us">Tim.Sprenger@umesd.k12.or.us</a>     | 541-966-2680 |
| Cheri Rhinhart | IT Director, UMESD         | <a href="mailto:Cheri.Rhinhart@umesd.k12.or.us">Cheri.Rhinhart@umesd.k12.or.us</a> | 541 966-3181 |
| Allen Acevedo  | Network Analyst, UMESD     | <a href="mailto:Allen.Acevedo@umesd.k12.or.us">Allen.Acevedo@umesd.k12.or.us</a>   | 541 966-3186 |
| Jeremiah Gard  | Desktop Support, Nixyáawii | <a href="mailto:Jeremiah.Gard@umesd.k12.or.us">Jeremiah.Gard@umesd.k12.or.us</a>   | 541 966-3271 |
| Cindy Criswell | Telecom, UMESD             | <a href="mailto:Cindy.Criswell@umesd.k12or.us">Cindy.Criswell@umesd.k12or.us</a>   | 541-966-3211 |
| Tom Hutchison  | Network Analyst (WAN)      | <a href="mailto:Tom.Hutchison@umesd.k12.or.us">Tom.Hutchison@umesd.k12.or.us</a>   | 541 966-3187 |

Technology needs of the district are supported collaboratively with Information Technology staff from Umatilla-Morrow ESD. This includes, but not limited to Networking support, desktop support; and Instructional Technology Support.

**5. Description and role of any contractors involved in proposal:**

Nixyáawii Community School will secure services from the selected vendor to deploy the proposed wireless project.

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

Nixyáawii Community School is in the process of applying for the Federal E-Rate Program for the 2010-2011 year for discounts on telecommunications costs to offset the monthly recurring costs.

The community, students, and teachers will have increased access to digital curriculum and professional development resources that are dependent on adequate bandwidth.

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

The project includes the installation and purchase of necessary bandwidth on a service level agreement. There is no equipment purchase involved and we are only seeking funding assistance for the qualifying installation costs.

**8. Proposal Budget**

Charter Business - Fiber Service

**NON-RECURRING COSTS**

| <u>Item</u>         | <u>Description</u> | <u>Quantity</u> | <u>Total</u> |
|---------------------|--------------------|-----------------|--------------|
| Installation        | 100Mb WAN Fiber    | 1               | \$1,250.00   |
| Total Non-Recurring |                    |                 | \$1,250.00   |

**RECURRING COST**

|                        |  |  |          |
|------------------------|--|--|----------|
| Monthly Service Charge |  |  | \$700.00 |
|------------------------|--|--|----------|