

Last Mile Grant – Jewell School District #8

Jewell School District meets ALL of the minimum connectivity standards set by the Last Mile Connectivity Grant:

- ✓ Less than 10MBps of available bandwidth to the Internet. Internet connectivity can be provided through the ESD or through a private Internet Service Provider (ISP).
- ✓ Less than 10MBps of available bandwidth which connects the school or building to their primary upstream Internet connection. (An example of this would be a school which connects to the District Office and from there the traffic passes to the ESD to gain access to the Internet.)
- ✓ Less than 10MBps of available bandwidth at any point in the path to and from the Internet for a school or building.

1. Project description – describe the telecommunication challenge you seek to overcome, and how your proposal provides a viable, long-term solution.

Jewell School District (k-12 school resides in the same building as the district office) requests a \$29,500 grant to connect a fiber optic line to the school district. The grant will cover the non-reoccurring cost of installing 4000 feet of fiber from the District to Highway 202, the CenturyTel meet-me-point. Because of the installment of fiber optics, this one-time connection will allow Jewell School District the flexibility to increase bandwidth to 100 or 1000 Mbps in the future for little or no additional installation expense.

2. Description of how the proposal satisfies the Criteria outlined in Section E.

A) Demonstrated need

Jewell Schools currently uses two T-1 frame relay connections for the entire district to perform state testing and Internet use. These lines, which run from Jewell School to the NWRESA, are often saturated, resulting in slowness and intermittent errors. Replacing the connection at the Jewell School District with a 10 Mbps fiber line will benefit the entire district and improve performance both for the high school and grade school and allow regular classroom use of the Internet while testing, something that presently cannot be done because of the very limited bandwidth.

B) Student population served

All students and staff at Jewell School District will benefit. The ADM for Jewell School District in 2008-09 was 178 (Source: ODE 2007-08 ADM), the total number of staff served is 41 (Source: ODE 2008-09 District Report Card). The Jewell School District is located in rural Northwest Oregon.

C) Commitment to on-going funding

The grant will fund an infrastructure improvement project provided by CenturyTel, the only available service provider in the area. The project falls under the requirement of a "one-time expenditure to connect the school to a broadband infrastructure." Jewell School District is committed to funding the on-going monthly reoccurring charges. The current quote from Qwest is presently \$3,295 per month for 10 Mbps service and we are discussing other hand off options which may drive this cost down.

D) Partnering with neighboring districts, ESD and others

Jewell School District is the smallest district within the Northwest Regional ESD service area and as such we rely heavily on their assistance for network assistance. We also connect to Southern Oregon ESD for video conferencing classroom solutions. We believe the introduction of a fiber connection to the Jewell School will allow for additional partnership opportunities with the larger Jewell community.

E) Completed application requirements

Section E - completed (section 1 and section 2)

Section F - completed (sections 1 through 8)

Section G - completed (introduction)

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

All students and staff at Jewell School District will benefit. Sites include all of Jewell School District which consists of one building. The ADM for Jewell School District in 2008-09 was 178 (Source: ODE 2007-08 ADM), the total number of staff served is 41 (Source: ODE 2008-09 District Report Card).

4. Key ESD and/or school staff involved in Proposal.

The proposal is authorized by the Jewell School District Superintendent, Dr. Brian Gander, and will be supported by Joan Harding, Jewell District Technology Coordinator and the NWRES D Technology Department overseen by Rick Wahlstrom, Chief Technology Officer.

Network services provided by the NWRES D to Jewell School District at this time include DNS, router maintenance, e-mail hosting, video-conferencing, on-demand digital video delivery, student and fiscal data housing, hosted library systems, and Internet access.

5. Description and role of any contractors involved in Proposal.

CenturyTel is the proposed vendor for the fiber build. The NWRES D has experience working with this vendor and believes they are capable of meeting the specifications and timelines listed in the grant. The project will consist of the fiber build by CenturyTel and Qwest, the lighting and testing of the fiber connections at the speed

specified and the successful transmission of data packets between Jewell School and the NWRESD, all prior to June 30, 2010.

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

The installation cost of connecting a 10 Mb fiber from the Jewell School through CenturyTel to the Pittock Block Building and subsequently to the NWRESD, is \$29,500. Jewell School District and NWRESD staff will work together to ensure the successful implementation of this project. The District will pay for any hardware required for this implementation. The leveraging of the grant funds will significantly reduce the first year financial impact to the Jewell School District's budget.

7. If equipment is part of the funding request in the Application, a description, manufacturer and make of equipment is required. [Reminder: *These grant funds cannot be used to purchase. Network equipment that is not essential to implementing OSI Layer 1 and 2 services. As an example, primary WAN routing equipment would not be an acceptable use of funds.*]
No hardware is requested as part of this funding request. Jewell School District will fund any required equipment.

8. Proposal Budget Page. Budget page must articulate Proposal costs, funding sources, and sustainability model. [Reminder: *Budget Page is considered supplemental to the five-page maximum for the Application itself.*]

Budget is included as Appendix B.

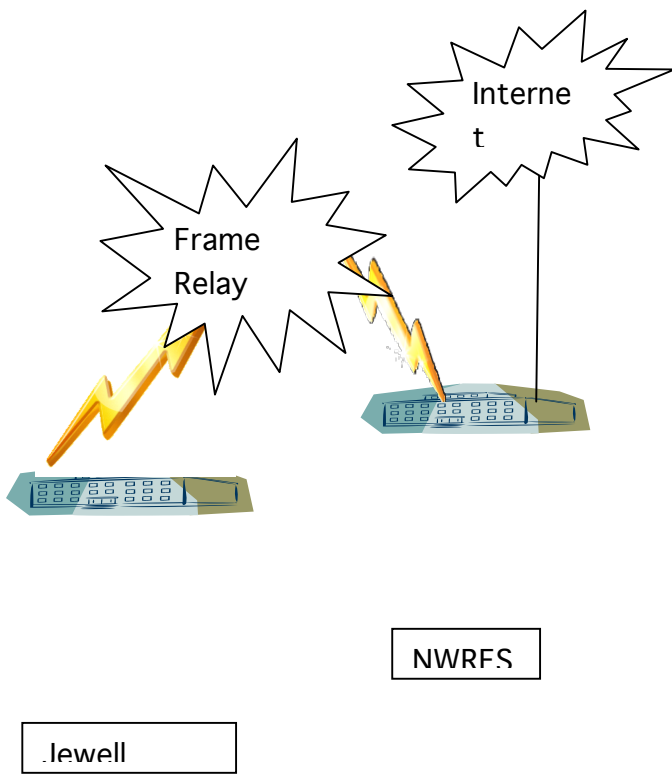
Appendix A – Jewell School District Network Diagram

Appendix B – Budget

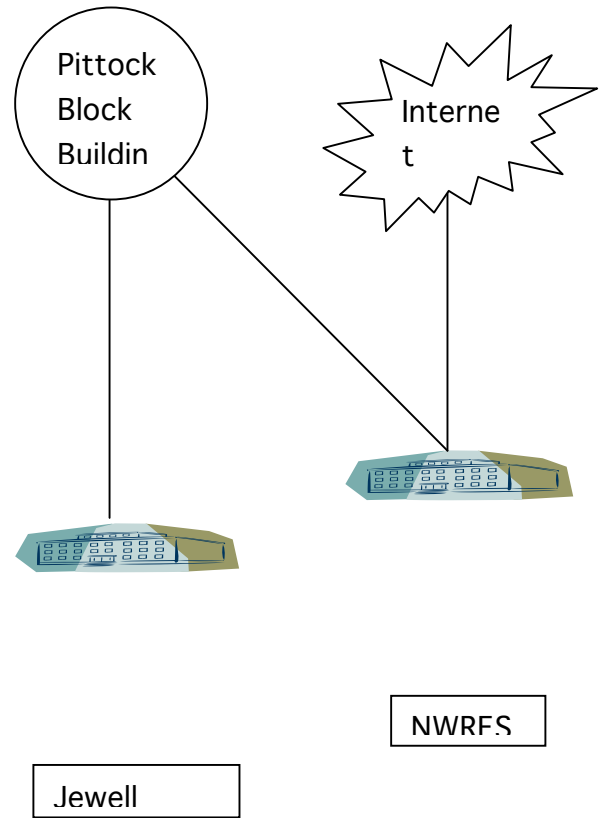
Appendix C – Jewell School District Superintendent Support Letter

Appendix A- Jewell School District Network Diagram

Current Design Design



Proposed



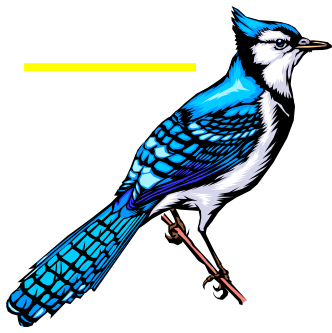
Appendix B-Jewell School district Network Improvement Budget

Jewell School Distirct to Pittock Block Builder

Grant Request	\$29,500.00
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Fiber Connectivity
10Mb

Monthly Charges
\$3,295.00



JEWELL SCHOOL DISTRICT #8

83874 HIGHWAY 103

SEASIDE, OR 97138

PHONE (503) 755-2451 FAX (503) 755-0616

BRIAN D. GANDER, DED.
SUPERINTENDENT

JENNIFER BLANCHARD,
SCHOOL BOARD CHAIR

November 16, 2009

Education Enterprise Steering Committee
Oregon Department of Education
255 Capitol Street NE
Salem, OR 97310-0203

To Whom It May Concern

The Jewell School District is encouraged by the prospect of more reliable constant rate of internet service. We support this project as it gives us greater security and a more constant internet connectivity that will support instruction and district services.

Jewell SD as a small and remote school is dedicated to providing quality instructional and district services to the community. This project to secure a 10MB connectivity structure is a necessary step in continuing the services we currently provide and open up opportunities for improvement.

We appreciate the support of the Education Enterprise for this project and look forward to working with the NWRESD to bring this connectivity project to fruition.

Best Regards;

A handwritten signature in cursive script that reads "Brian D. Gander". The signature is written in black ink and is positioned above the printed name.

Brian D. Gander, DEd.
Superintendent